September 2024

Camera Control PTP 3 Reference

For 2020 Models or Later

SONY

Document History

Date	Version	Description
Nov. 1 2023	1.0.0	• First version

Apr. 1 2024	1.1.0	• Added the following operation:
		  ○ SDIO_OperationResultsSupported
		• Added the following device properties:
		  ○ Focus Position Setting
		  ○ Focus Position Current Value
		  ○ Monitoring Output Display HDMI
		  ○ HDMI Resolution (Still/Play)
		  ○ HDMI Output Rec Media (Movie)
		  ○ HDMI Output Resolution (Movie)
		  ○ HDMI Output 4K Set (Movie)
		  ○ HDMI Output RAW (Movie)
		  ○ HDMI Output Raw Setting (Movie)
		  ○ HDMI Output Time Code (Movie)
		  ○ HDMI Output REC Control (Movie)
		  ○ Audio Output HDMI Monitor CH
		  ○ Lens Model Name
		  ○ Camera Shake Status
		  ○ Update Body Status
		  ○ Media SLOT1 Writing State
		  ○ Media SLOT2 Writing State
		• Added the following control:
		  ○ Cancel Focus Position
		• Added the following events:
		  ○ SDIE_FocusPositionResult
		  ○ SDIE_OperationResults
		  ○ SDIE_AFStatus
		  ○ SDIE_MovieRecOperationResults
		• Added the Note of Focal Distance in Meter
		• Added the Note of Focus Indication
		• Changed the compatibility for Models ILCE-7CM2 and ILCE-7CR, making Focal Distance in Meter as not supported.

Date	Version	Description
Sep. 1 2024	1.2.0	- Added an overview for the For Connections Using PTP-IP section. - Added an overview for the Acquiring Content from Video Only Models section. - Added models ILCE-9M3, ILCE-7RM4A, ZV-E10M2, ILME-FX6, and MPC-2610 to the compatibility. - Added the following operation: - GetObjectPropValue - GetObjectPropList - SDIO_SetFTPSettingFilePassword - SDIO_GetVenderCodeVersion - SDIO_GetFTPJobList - SDIO_ControlFTPJobList - SDIO_UploadData - SDIO_ControlUploadData - SDIO_GetFTPSettingList - SDIO_SetFTPSettingList - Added the following device properties: - T-Number - Iris Display Unit - Select FTP ServerID - Media SLOT2 ProfileUrl - FTP Function - Sync ID for FTP Job List - Auto FTP Transfer - Auto FTP Transfer Target - Interval REC (Movie) Time - Upload Dataset Version - BaseLookImport Command Version - BaseLookImport Operation Enable Status - FTPSettingList Operation Enable Status - Camera Operating Mode - Playback View Mode - Delete UserBaseLook - Select UserBaseLook to Edit - UserBaseLook Input - UserBaseLook AE Level Offset - Base ISO Switch EI - Select BaseLook to Set in PPLUT - Eframing Scale (Auto) - Eframing Speed (Auto) - Camera Eframing - Eframing Mode (Auto) - Flicker Less Shooting - Long Exposure NR - High ISO NR - HLG Still Image - Color Space (Still Image) - Recording Media (Still Image) - Recording Media (Movie)

Date	Version	Description
		○ Auto Switch Media
		○ Bracket order
		○ Focus Bracket order
		○ Focus Bracket Exposure Lock 1st Img
		○ Focus Bracket Interval Until Next Shot
		○ Interval REC (Still) Shooting Start Time
		○ Interval REC (Still) Shooting Interval
		○ Interval REC (Still) Number of Shots
		○ Interval REC (Still) AE Tracking Sensitivity
		○ Interval REC (Still) Shutter Type
		○ Interval REC (Still) Shoot Interval Priority
		○ Wind Noise Reduct
		○ Auto Slow Shutter
		○ ISO Auto Min Shutter Speed Mode
		○ ISO Auto Min Shutter Speed Manual
		○ ISO Auto Min Shutter Speed Preset
		○ ISO Auto Range Limit (min)
		○ ISO Auto Range Limit (max)
		○ Soft Skin Effect
		○ Priority Set in AF-S
		○ Priority Set in AF-C
		○ Focus Magnification Time
		○ Playback Volume Settings
		○ Auto Review
		○ Audio Signals
		○ Media SLOT3 Status
		○ Media SLOT3 Remaining shooting time
		○ Media SLOT3 Rec Available Type
		○ Media SLOT3 ProfileUrl
		○ Image Stabilization Steady Shot Adjust
		○ Image Stabilization Steady Shot Focal Length
		○ Auto FTP Transfer Target (Movie)
		○ FTP Transfer Target
		○ FTP Transfer Target (Proxy)
		○ FTP Power Save
		○ ND Filter Unit Setting
		○ ND Filter Optical Density Value
		○ USB Power Supply
		○ Interval REC (Movie) Frame Rate
		○ Interval REC (Movie) Record Setting
		○ Eframing Recording Image Crop
		○ Eframing HDMI Crop
		○ Subject Recognition in AF
		○ Recognition Target
		○ Right/Left Eye Select
		○ Select FTP Server
		○ FTP Connection Status
		○ FTP Connection Error Info
		○ Movie Rec Self timer
		○ Movie Rec Self timer Count time

Date	Version	Description
		○ Movie Rec Self timer Continuous ○ Movie Rec Self timer Status ○ Bulb Timer Setting ○ Bulb Exposure Time Setting ○ Flicker Scan Status ○ Flicker Scan Enable Status ○ Button Assignment Assignable.10 ○ Assignable Button 10 ○ Assignable Button Indicator 10 ○ Image Stabilization Level (Movie) ○ Movie Trimming Transfer Support Information ○ Button Assignment Assignable.11 ○ Assignable Button 11 ○ Assignable Button Indicator 11 • Added the following controls: ○ AEL Button ○ FEL Button ○ AWBL Button ○ Custom WB Capture Standby ○ Custom WB Capture Standby Cancel ○ Custom WB Capture ○ Flicker Scan ○ Movie Rec Button (Toggle) • Added the following events: ○ StoreAdded ○ StoreRemoved ○ SDIE_DateTimeSettingResult ○ SDIE_ZoomandFocusPositionEvent ○ SDIE_MediaProfileChanged ○ SDIE_ControlJobListEvent ○ SDIE_ControlUploadDataResult • Added the Note of Exposure Program Mode • Fixed an issue with string transmission length in command.cpp of example-v3-linux.

Contents

Device Properties 97

Controls 386

Overview

The "Camera Control PTP" is based on PTP (Picture Transfer Protocol), MTP (Media Transfer Protocol), and PTP-IP (PTP over TCP/IP networks). It uses the PTP vendor extended commands. All vendor-extended operations are prefixed with SDIO_ and events with SDIE_ in this document. This document lists the command specifications and explains how to use the "Camera Control PTP" function. Please refer to the PIMA 15740 standard, the USB Still Image Capture Device definition, the Media Transfer Protocol Spec document, and the CIPA DC-005-2005 standard for further explanations on these protocols.

"Camera Control PTP" operates with the same sequence and commands after establishing a PTP or PTP-IP connection. For details on IP connections, please refer to For Connections Using PTP-IP.

The "Camera Control PTP" sequence consists of the following parts: connect, get device properties, get image files, set device properties, and send control commands. The protocol is described in detail in the following pages. Here is an overall sequence.
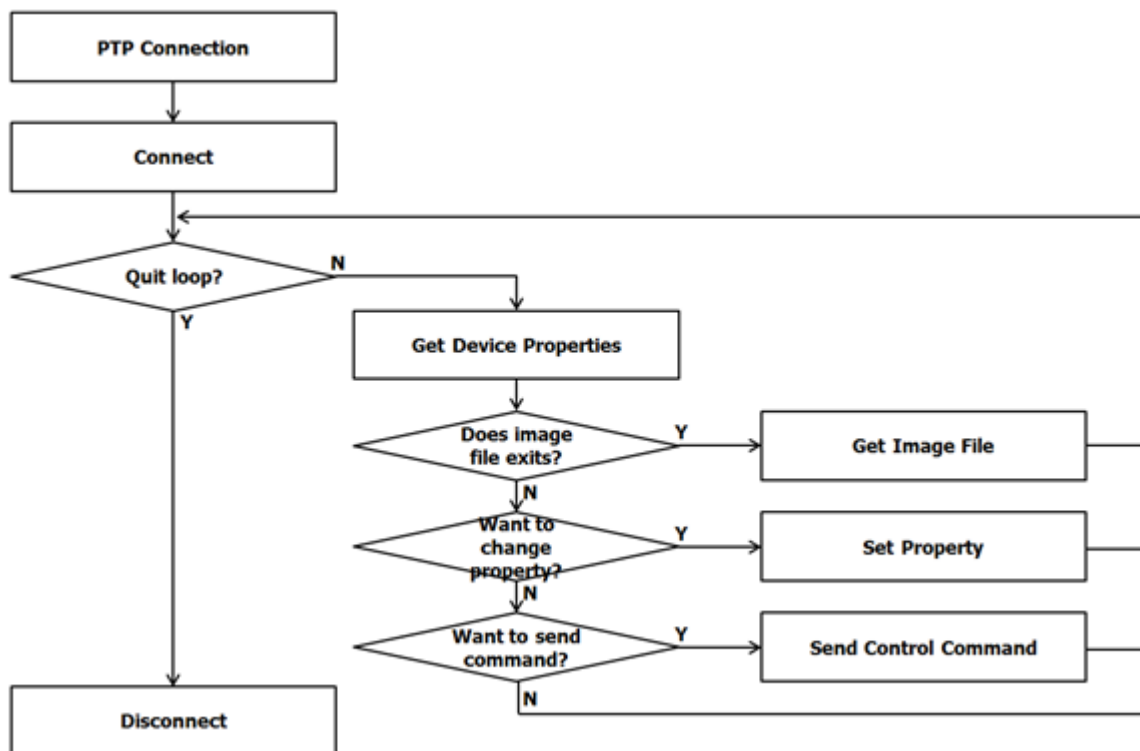
In this communication sequence, the Initiator, such as the PC application software, should not use PTP vendor events because earlier camera models do not guarantee that all events are delivered. The Initiator must periodically obtain the properties (status) of the Responder, that is, the camera, if the Responder and Initiator are not busy, such as when transferring image files. Events are suitable if the application only targets recent camera models (2019 or later). In this case, ensure that your application constantly receives all the USB queue buffers; otherwise, some events may be dropped.

To obtain these properties, use SDIO_GetAllExtDevicePropInfo. The property structure includes all available camera statuses (such as shutter speed, F-number, ISO), information about queued images in

the transfer buffer in the camera, and each property's enabled/disabled status.

After obtaining the properties, the Initiator should check whether the image file exits. If it exists, the Initiator should obtain it immediately using the PTP standard operation GetObject.

The Initiator can change some property values in the camera by sending a set property command, SDIO_SetExtDevicePropValue.

To capture the picture, start recording the movie, lock AE or AF, and the Initiator sends Controls to the camera with SDIO_ControlDevice.

The protocol is described in detail in the following section.

For Connections Using PTP-IP

PTP-IP is available when connected via Wi-Fi Direct (AP Mode), Wi-Fi ST Mode, or Wired LAN. The designated port number for PTP-IP is TCP 15740 (for SSH connections, please refer to Connection by SSH). For detailed information regarding the connection interface, please refer to the help guide for each model. When connecting via PTP-IP, the following settings must be set on the camera: ILCE-1 is used as an example here. For other models, refer to the "PC Remote Function" in the Help Guide.

- Please set "Network > Cnct./Remote Sht. > Remote Shoot Function > Remote Shooting" to "On".

The overall sequence leading up to a PTP-IP connection proceeds as follows:
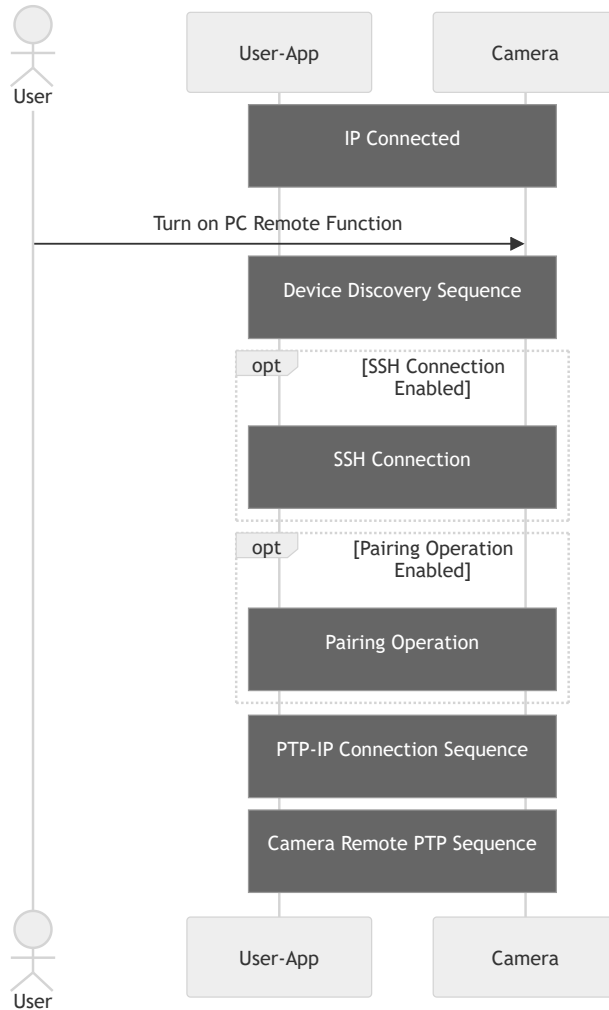
Device Discovery

Device discovery uses UPnP. Receive the service name USN urn:schemas-sony-com:service:DigitalImaging and retrieve the dd.xml (Device Description file).

Example SSDP header:

```
NOTIFY * HTTP/1.1
HOST: 239.255.255.250:1900
CACHE-CONTROL: max-age=1800
LOCATION: http://192.168.122.1:80/dd.xml
NT: urn:schemas-sony-com:service:DigitalImaging:1
NTS: ssdp:alive
SERVER: UPnP/1.0 SonyImagingDevice/1.0
USN: uuid:00000000-0000-0000-0000-000000000000::urn:schemas-sony-com:service:DigitalImaging:1
```

From dd.xml, confirm `friendlyName` and UDN, and obtain the path to DigitalImagingDesc.xml from the SCPDURL tag.

Example of dd.xml:

```xml
<root xmlns="urn:schemas-upnp-org:device-1-0"
      xmlns:dlna="urn:schemas-dlna-org:device-1-0"
      xmlns:av="urn:schemas-sony-com:av">
    <specVersion>
        <major>1</major>
        <minor>0</minor>
    </specVersion>
    <device>
        <deviceType>urn:schemas-upnp-org:device:Basic:1</deviceType>
        <friendlyName>ILCE-1</friendlyName>
        <manufacturer>Sony Corporation</manufacturer>
        <manufacturerURL>http://www.sony.com/</manufacturerURL>
        <modelDescription>SonyRemoteCamera</modelDescription>
        <modelName>SonyImagingDevice</modelName>
        <modelURL>http://www.sony.net/</modelURL>
        <UDN>uuid:00000000-0000-0000-0000-000000000000</UDN>
        <serviceList>
            <service>
                <serviceType>urn:schemas-sony-com:service:DigitalImaging:1</serviceType>
                <serviceId>urn:schemas-sony-com:serviceId:DigitalImaging</serviceId>
                <SCPDURL>/DigitalImagingDesc.xml</SCPDURL>
                <controlURL>/upnp/control/DigitalImaging</controlURL>
                <eventSubURL/>
            </service>
        </serviceList>
        <av:X_ScalarWebAPI_DeviceInfo xmlns:av="urn:schemas-sony-com:av">
            <av:X_ScalarWebAPI_ImagingDevice>
                <av:X_ScalarWebAPI_LiveView_URL>
                    http://192.168.122.1:60152/liveviewstream
                </av:X_ScalarWebAPI_LiveView_URL>
                <av:X_ScalarWebAPI_DefaultFunction>
                    RemoteShooting
                </av:X_ScalarWebAPI_DefaultFunction>
            </av:X_ScalarWebAPI_ImagingDevice>
        </av:X_ScalarWebAPI_DeviceInfo>
    </device>
</root>
```

DigitalImagingDesc.xml

The DigitalImagingDesc.xml file contains details about the service. This section explains the key tags necessary for PTP-IP connection. If a tag does not exist, the function is not supported.

- `X_DigitalImagingDeviceInfo`: Contains device information.
  - `X_ModelName`: Model name of the device.
  - `X_ServerVersion`: Server version; versions 3.00 and above support PTP-IP.
  - `X_SerialVersion`: The camera's serial number.
- `X_PTP_Information`: Provides PTP-related information.

- o `X_PTP_Versions`: Supported PTP version.
  - o `X_PTP_PairingNecessity`: Pairing operation information; if 'Necessary', pairing operation is required.
  - o `X_PTP_MediaServerSupport`: If 'Enable,' supports Contents Transfer Mode.
  - o `X_PTP_RemoteControlSupport`: If 'Enable,' supports Remote Control Mode.
- `X_ConnectionInfo`: Contains connection information.
  - o `X_SSH_Support`: SSH connection information; if 'Enable,' SSH connection is required.

Example DigitalImagingDesc.xml:

```xml
<scpd xmlns="urn:schemas-upnp-org:service-1-0">
    <specVersion>
        <major>1</major>
        <minor>0</minor>
    </specVersion>
    <serviceStateTable>
        <stateVariable sendEvents="no">
            <name>X_DigitalImagingDeviceInfo</name>
            <dataType>string</dataType>
        </stateVariable>
    </serviceStateTable>
    <X_DigitalImagingDeviceInfo>
        <X_DeviceInfo>
            <X_ModelName>ILCE-1</X_ModelName>
            <X_FirmwareVersion>2.02</X_FirmwareVersion>
            <X_ServerType>Control with Smartphone</X_ServerType>
            <X_ServerVersion>3.01</X_ServerVersion>
            <X_MacAddress>00:00:00:00:00:00</X_MacAddress>
            <X_SerialVersion>00000000</X_SerialVersion>
        </X_DeviceInfo>
        <X_DeviceCapability>
            <X_Bluetooth_4.0>
                <X_Function name="LocationInfoFromSmartPhone" version="1.1"/>
                <X_Function name="RemotePowerControl" version="1.0"/>
                <X_Function name="WifiPowerControl" version="1.0">Enable</X_Function>
            </X_Bluetooth_4.0>
        </X_DeviceCapability>
        <X_DeviceRestriction>
            <X_PostViewOnContinuousShooting/>
        </X_DeviceRestriction>
        <X_PTP_Information>
            <X_PTP_Versions>3.00</X_PTP_Versions>
            <X_PTP_PairingNecessity>Unnecessary</X_PTP_PairingNecessity>
            <X_PTP_MediaServerSupport>Enable</X_PTP_MediaServerSupport>
            <X_PTP_RemoteControlSupport>Enable</X_PTP_RemoteControlSupport>
        </X_PTP_Information>
        <X_ConnectionInfo>
            <X_SSH_Support>Disable</X_SSH_Support>
```

```
        </X_ConnectionInfo>
    </X_DigitalImagingDeviceInfo>
</scpd>
```

Connection by SSH

SSH can be used for access authentication, connection path encryption, and host verification. For camera compatibility, refer to DigitalImagingDesc.xml.

It is recommended to enable SSH connections. Please review the license agreement carefully and use this product at your own risk. Sony cannot make any warranty on this product including its security.

If SSH connections are enabled, PTP-IP connections to TCP port 15740 are not possible. A PTP-IP connection must always be established in a port-forwarded local port via an SSH connection.

How to Use SSH Connections

- Prepare an SSH client.
- Perform SSH port forwarding to the camera's `localhost:15740` (SSH port number is 22).
- Do not execute SSH remote commands.
- Set SSH user/password in the network settings for access authentication.
- The supported encryption cipher is `aes128-ctr`.

When connecting via SSH, refer to the access authentication information fingerprint to ensure a match.

Example using OpenSSH command:

```
ssh -c aes128-ctr -N -L 15740:localhost:15740 UserName@192.168.122.1
```

Note: The command above establishes an SSH tunnel with port forwarding, where `-c aes128-ctr` specifies the encryption cipher and `-N` indicates that no remote commands Initiate the PTP-IP connection using the port-forwarded `localhost:15740`.

Connection by Pairing

If X_PTP_PairingNecessity is set to 'Enable' in DigitalImagingDesc.xml, the pairing operation is required. This operation is necessary for models that do not support SSH, or when SSH functionality is turned off (Access Authen set to off).

For details of the pairing operation, please refer to the help guide for the specific model. Initiate PTP-IP connection with the pairing menu displayed on the camera. In response to the Init Command Request from the Initiator, the camera displays the 'Friendly Name' provided by the initiator and requests connection access. The connection is permitted only if the user grants permission via the camera, at which point an Init Command Ack is sent, allowing the PTP-IP connection sequence to continue. The camera saves the GUID once it is approved, which is only necessary for the first connection because up to 20 entries can be stored.

User   User-App   Camera

IP Connected

Device Discovery Sequence

Display Pairing Menu

PTP-IP Init Command Request (GUID, Friendly Name)

Display
"Allow pairing with the device?
'Friendly Name'"

Press OK Button

Save GUID

PTP-IP Init Command Ack

PTP-IP Connection Sequence

User   User-App   Camera
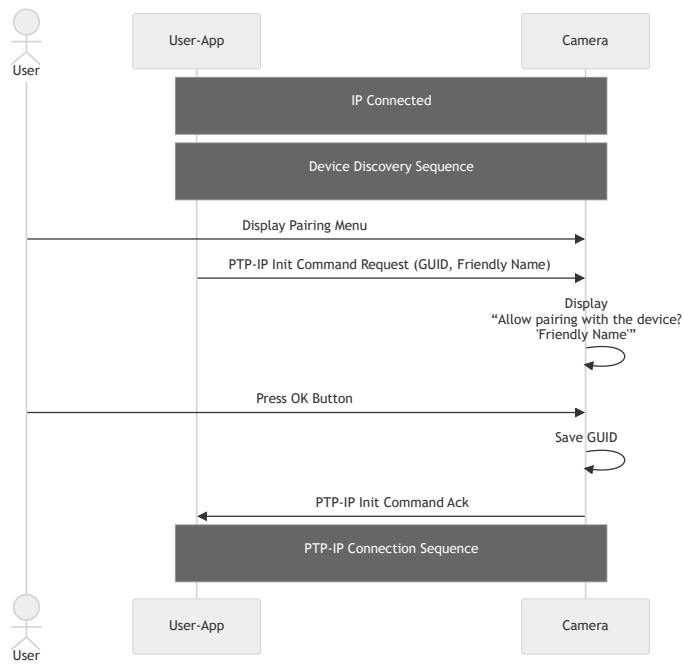
Connect

Authentication Sequence:
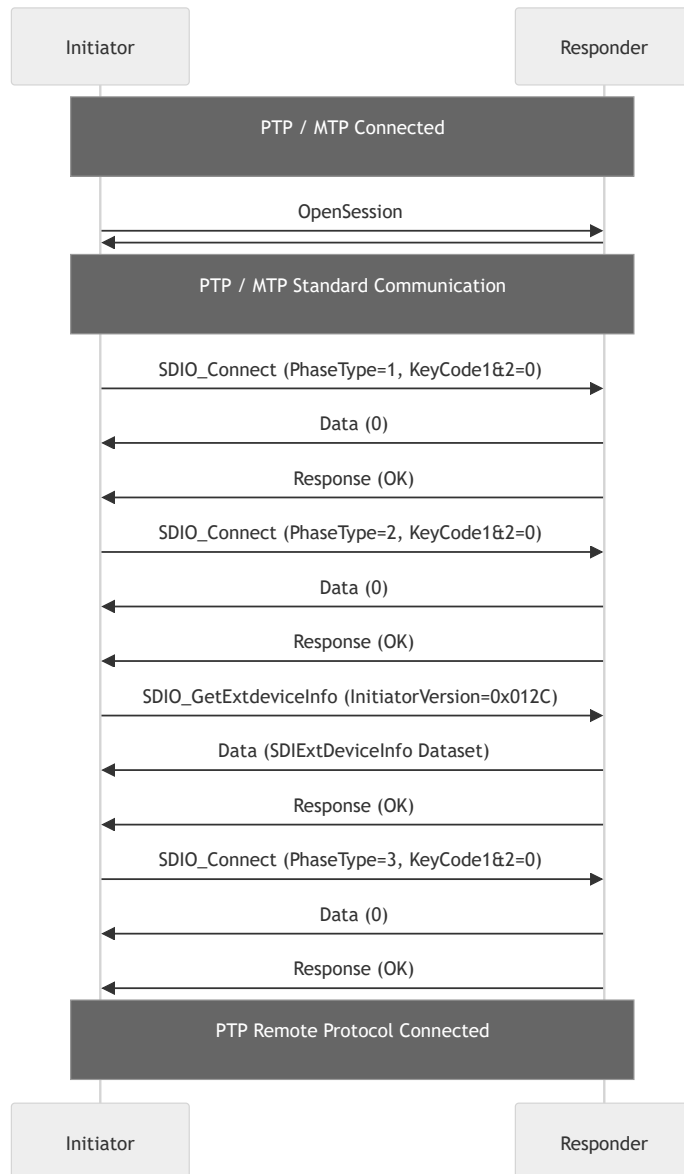
After the connection between the Initiator and the camera has been established, the Initiator must initiate a connection protocol using SDIO_Connect and SDIO_GetExtDeviceInfo.

The Initiator must send SDIO_Connect twice at the beginning.

In the first call, `PhaseType` should be `0x01` and `0x02` in the second. Subsequently, SDIO_GetExtDeviceInfo should be sent. The Initiator can obtain the protocol version using the response code; if the version is okay, call SDIO_Connect again and establish the connection.

When SDIO_GetExtDeviceInfo fails (returned data size is zero), retry until successful. After succeeding, SDIO_Connect must be executed with `PhaseType=0x03`.

Camera Control PTP has its version defined by its specifying functions. This version will change if a supporting function in any command or property changes. The Initiator can check the "Extension Version" in the response code of SDIO_GetExtDeviceInfo and confirm it is equal to `0x012C`. Camera functionalities vary among firmware. The Initiator should check the array of properties and control codes.

Get Property

Get Camera Setting Sequence:
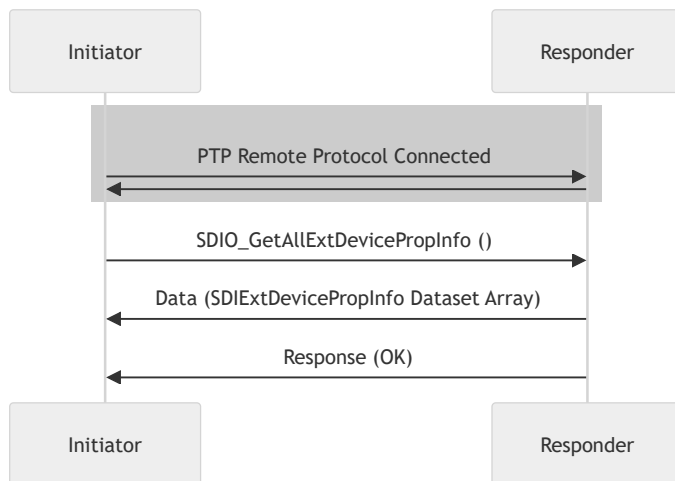
After connection to the camera, send SDIO_GetAllExtDevicePropInfo to obtain the camera status, the list of available properties, and the range of values for each property. The host shall parse the SDIExtDevicePropInfo Dataset Array returned by the camera and search for the desired property.

Set Property

Set Camera Setting Sequence:
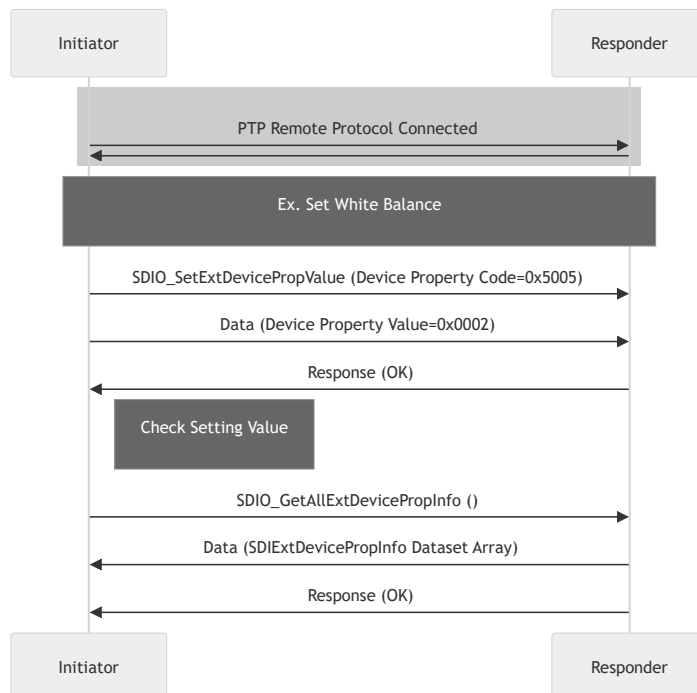
The Initiator can set a property value by SDIO_SetExtDevicePropValue.

Send Control Command

Execute SDIO Control Code Sequence:
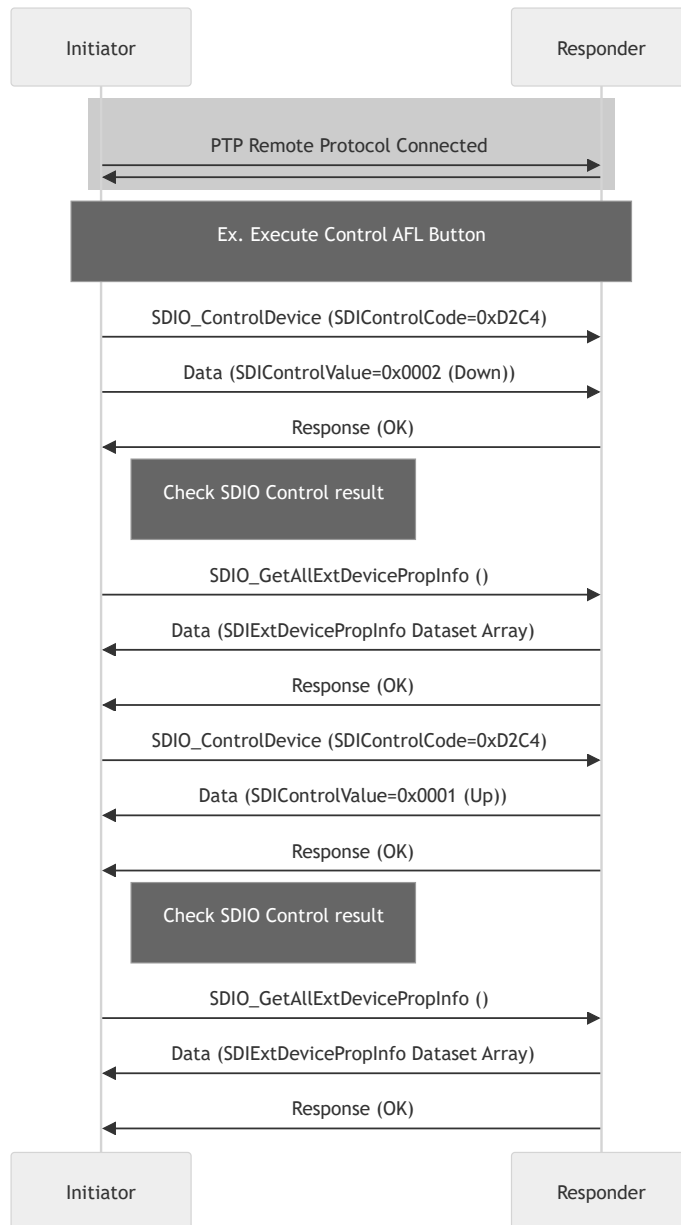
The Initiator can send a control command to a camera using SDIO_ControlDevice. To know all supported control commands, see the Controls section in the Command List chapter. Buttons such as shutter half-release (S1) and shutter release (S2) have an on/off status, whereas controls such as F-number and shutter speed have an up/down status with step value as a control value.

S1 indicates the half-pressing shutter release button, and S2 is the full-pressing shutter release button. Therefore, the Initiator can control the interval from push to release using the S2 on/off. But this should emulate the camera's hardware operation; the Initiator should call in proper order like S1 on → S2 on → S2 off → S1 off. If the Initiator does not send data in the proper order, the camera's behavior is not ensured. By contrast, a one-shot release command can be used independently. Therefore, that if the

camera is in an acceptable mode (single-shot drive mode), the Initiator can send a one-shot release command anytime.

Note: The Initiator cannot obtain the shooting results. If the device property Shooting File Info is not zero, and the most significant bit (`0x8000`) is set, the camera shoots, and the image is stored in the buffer.

The Initiator can send a differential for up/down controls such as the F-number, shutter speed, ISO, exposure compensation, and flash compensation. For example, a differential is one step plus/minus or two steps plus/minus. The results of the change will only be sent to the Initiator if it queries the device property values again.

Get Image File

Get a File Sequence:
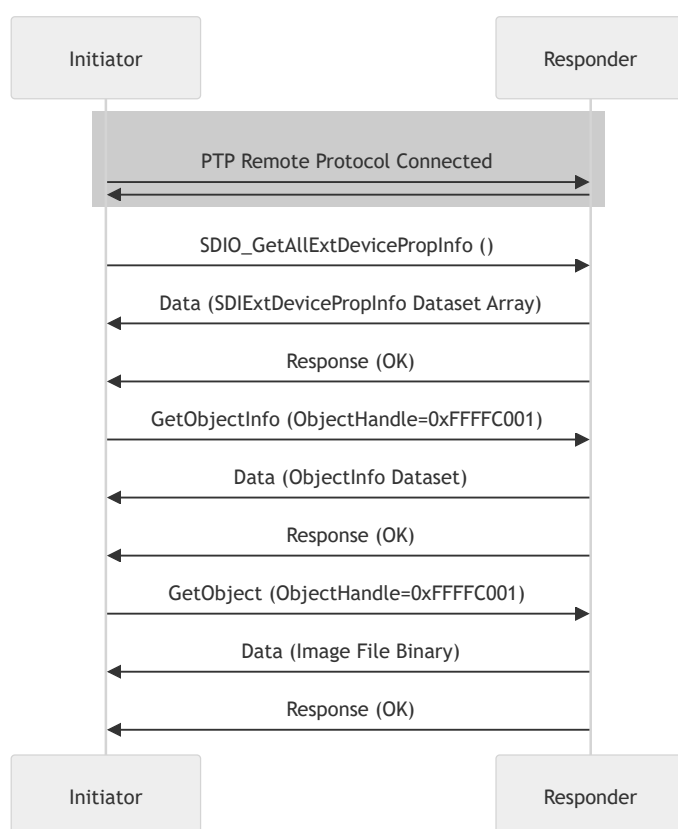
The Initiator uses the GetObject command to obtain the image file from the buffer. To obtain the image in the buffer, use `0xFFFFC001` as the object handle. This fixed value always indicates the first file to be transferred. The Initiator should get the same object handle repeatedly until the value of the device property Shooting File Info becomes zero.

GetObjectInfo (a PTP standard command) is also available. The Initiator can understand the file type based on the object-format value in the `ObjectInfo` structure.

In the DCF (Exif) specification, if the image file has "AdobeRGB" color space, the image file name should start with "_" (e.g., `_DSC0000.JPG`). However, the Initiator cannot obtain the color space information from GetObjectInfo. The Initiator then needs to parse the Exif tags in the image.

When the Initiator sets "RAW+JPEG" or "RAW+HEIF" as the file format, you might want to distinguish the pair of RAW and JPEG or RAW and HEIF. To do this, check the sequence number in the `ObjectInfo` structure that the Initiator can obtain using GetObjectInfo. The file order is JPEG/HEIF, then RAW. Therefore, if the image the Initiator receives is a RAW file, the previous image is a JPEG or HEIF file, and the sequence numbers are the same, it would be the RAW and JPEG/HEIF pair. But the sequence number starts from the same value each time you turn on the camera; if you shoot one JPEG/HEIF via remote and turn off and on the camera, then you shoot one RAW, those JPEG/HEIF and RAW would have the same sequence number. Checking the Exif date time is necessary to distinguish the pair.

After shooting a still image, it must get an image like the "Get a File Sequence" above. It is necessary to obtain the device property Shooting File Info to confirm the number of images before content transfer. Images exist: GetObjectInfo and GetObject must be executed repeatedly the number of images times. No image: GetObjectInfo and GetObject need not be executed.

Live View

Live View Sequence:
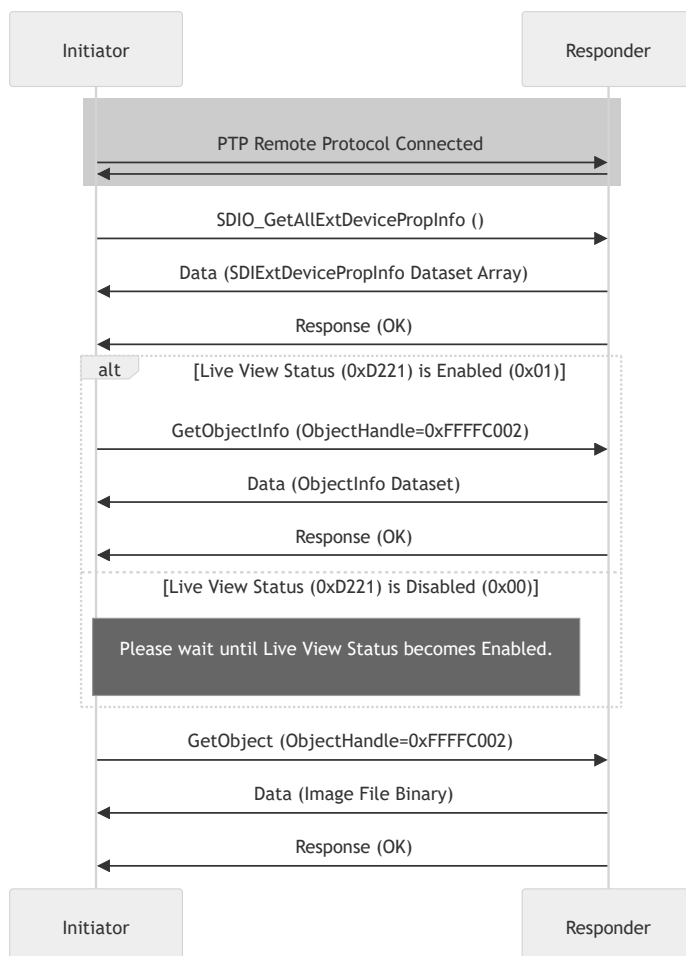
The Initiator can obtain live-view images in the shooting mode. Refer to GetObject for the live view.

Movie Recording

Recorded movie files are stored in the memory card in the camera.

Content Transfer Mode

To enter content transfer mode, use SDIO_OpenSession setting function mode to "Content Transfer Mode" and SDIO_SetContentsTransferMode. Content transfer mode is used to access the memory card and download its content to the host. While in content transfer mode, images cannot be captured, live view is unavailable, and properties and controls cannot be adjusted.

Entering Content Transfer Mode Sequence:
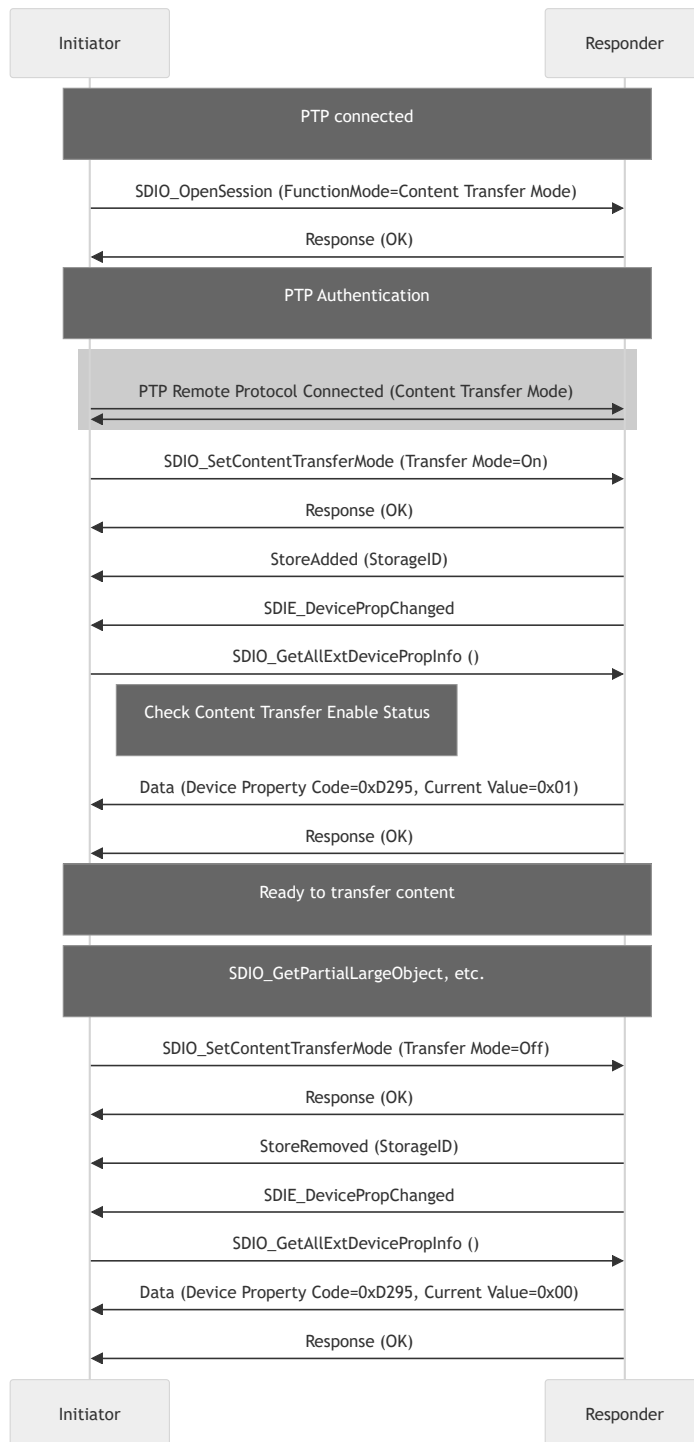
Note: Switching between "Remote Control Mode" and "Content Transfer Mode" cannot be performed while connected. After disconnecting in each mode, reconnect in the desired mode.

Acquiring Content from Video Only Models

Video-only models do not support "Content Transfer Mode." In ILME-FX6/MPC-2610, metadata such as recorded content are stored within "MediaProfile." The camera notifies the user of the URL to obtain

MediaProfile through the device properties. Please access the camera's localhost port after setting up SSH port forwarding. The ports used for the PTP-IP connections differ from those used for content retrieval. Determine the appropriate port number from the MediaProfile URL and set up the SSH port forwarding based on this information. For guidance on establishing SSH connections, please refer to Connecting by SSH.

Please refer to the device property for each media slot (Media SLOTX ProfileUrl) for the URL.

Example URL: `http://localhost:8080/A/MEDIAPRO.XML`

Example MediaProfile:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<MediaProfile
    xmlns="http://xmlns.sony.net/pro/metadata/mediaprofile"
    createdAt="2024-01-01T00:00:00+00:00"
    version="2.30">
    <Contents>
        <Material uri="./Clip/000_0001.MXF" type="MXF" offset="0" dur="470" fps="59.94p"
            aspectRatio="16:9" ch="8"
            videoType="AVC_3840_2160_H422IP@L52" audioType="LPCM24"
            umid="0000000000000000000000000000000000000000000000000000000000000000"
            status="none" flip="none">
        <Proxy uri="./Sub/000_0001S03.MP4" type="MP4" dur="470" fps="59.94p"
            aspectRatio="16:9" ch="2" videoType="AVC_Proxy_1920_1080_HP@L42"
            audioType="AAC-LC"
            umid="0000000000000000000000000000000000000000000000000000000000000001"
            flip="none"/>
        <RelevantInfo uri="./Clip/000_0001M01.XML" type="XML"/>
        <RelevantInfo uri="./Thmbnl/000_0001T01.JPG" type="JPG"/>
        </Material>
    </Contents>
</MediaProfile>
```

MEDIAPRO.XML lists the URIs for each content.

Please perform an HTTP GET on the URL to retrieve the corresponding file.

Example URL: `http://localhost:8080/A/Clip/000_0001.MXF`

Disconnect

The Initiator must execute CloseSession to disconnect. Subsequently, release the PTP connection.

Command List

The following described a list of operation, device property, control, event, etc.

Operations

Name	Code	Description
GetDeviceInfo	0x1001	same as PIMA 15740
OpenSession	0x1002	same as PIMA 15740
CloseSession	0x1003	same as PIMA 15740
GetStorageIDs	0x1004	same as PIMA 15740
GetStorageInfo	0x1005	same as PIMA 15740
GetNumObjects	0x1006	same as PIMA 15740
GetObjectHandles	0x1007	same as PIMA 15740
GetObjectInfo	0x1008	Response Code includes VendorResponseCodes, Password Length Over Max, and Password Includes Invalid Character. The others are same as PIMA 15740
GetObject	0x1009	same as PIMA 15740
GetThumb	0x100A	same as PIMA 15740
SendObject	0x100D	same as PIMA 15740
GetPartialObject	0x101B	same as PIMA 15740
GetObjectPropValue	0x9803	same as Media Transfer Protocol v.1.1 Spec
GetObjectPropList	0x9805	same as Media Transfer Protocol v.1.1 Spec
SDIO_Connect	0x9201	This is for the authentication handshake.
SDIO_GetExtDeviceInfo	0x9202	Get the protocol version and the supported properties of the connected device.
SDIO_SetExtDevicePropValue	0x9205	Set a DevicePropValue for a device property.
SDIO_ControlDevice	0x9207	Set the SDIControl value for the SDIControlCode.
SDIO_GetAllExtDevicePropInfo	0x9209	Obtain all support DevicePropDescs at one time. The host will send this operation at regular intervals to obtain the latest (current) camera settings.
SDIO_SetFTPSettingFilePassword	0x920F	Set the password for getting/setting a FTP-Setting File.
SDIO_OpenSession	0x9210	Open Session with Function Mode.
SDIO_GetPartialLargeObject	0x9211	Get partial object from the device.
SDIO_SetContentsTransferMode	0x9212	Turn on/off content transfer mode.
SDIO_GetDisplayStringList	0x9215	Get Display String List.

Name	Code	Description
SDIO_GetVenderCodeVersion	0x9216	Get vender code version.
SDIO_GetFTPJobList	0x9217	Get the FTP Job List.
SDIO_ControlFTPJobList	0x9218	Control the FTP Job List.
SDIO_UploadData	0x921A	Upload data to Camera temporary storage.
SDIO_ControlUploadData	0x921B	Control the Upload Data.
SDIO_GetFTPSettingList	0x921F	Get FTP Setting List.
SDIO_SetFTPSettingList	0x9220	Set FTP Setting List.
SDIO_GetLensInformation	0x9223	Get Lens Information.
SDIO_OperationResultsSupported	0x922F	Get the Operation Results Supported.

Device Properties

Name	Code	Description
White Balance	0x5005	Get/Set the white balance.
F-Number	0x5007	Get/Set the aperture value.
Focus Mode	0x500A	Get/Set the focus mode.
Exposure Metering Mode	0x500B	Get/Set the exposure metering mode.
Flash Mode	0x500C	Get/Set the flash mode.
Exposure Program Mode	0x500E	Get/Set the exposure program mode.
Exposure Bias Compensation	0x5010	Get/Set the exposure bias compensation.
Still Capture Mode	0x5013	Get/Set the drive mode.
T-Number	0xD000	Get/Set the T-number.
Iris Mode Setting	0xD001	Get/Set the iris mode setting.
Iris Display Unit	0xD003	Get/Set the iris display unit.
Focal Distance in Meter	0xD004	Get/Set the focal distance in meter.
Focal Distance in Feet	0xD005	Get/Set the focal distance in feet.
Focal Distance Unit Setting	0xD006	Get/Set the focal distance unit setting.
Focus Mode Setting	0xD007	Get/Set the focus mode setting.
Focus Speed Range	0xD008	Get the focus speed range.
Digital Zoom Scale	0xD00A	Get/Set the digital zoom scale.
Zoom Distance	0xD00B	Get/Set the zoom distance.
White Balance Mode Setting	0xD00C	Get/Set the white balance mode setting.
White Balance Tint	0xD00D	Get/Set the white balance tint.
Shutter Angle	0xD00E	Get/Set the shutter angle.
Shutter Setting	0xD00F	Get/Set the shutter setting.

Name	Code	Description
Shutter Mode	`0xD010`	Get/Set the shutter mode.
Shutter Mode Status	`0xD011`	Get/Set the shutter mode status.
Shutter Mode Setting	`0xD013`	Get/Set the shutter mode setting.
Shutter Slow	`0xD014`	Get/Set the shutter slow.
Shutter Slow Frames	`0xD015`	Get/Set the shutter slow frames.
Shutter Speed Value	`0xD016`	Get/Set the shutter speed value.
Shutter Speed Current Value	`0xD017`	Get the shutter speed current value.
ND Filter	`0xD018`	Get/Set the ND filter.
ND Filter Mode	`0xD019`	Get the ND filter mode.
ND Filter Mode Setting	`0xD01A`	Get/Set the ND filter mode setting.
ND Filter Value	`0xD01B`	Get/Set the ND filter value.
Gain Control Setting	`0xD01C`	Get/Set the gain control setting.
Gain Unit Setting	`0xD01D`	Get/Set the gain unit setting.
Gain dB Value	`0xD01E`	Get/Set the gain dB value.
Gain dB Current Value	`0xD01F`	Get the gain dB current value.
Gain Base ISO Sensitivity	`0xD020`	Get/Set the gain base ISO sensitivity.
Gain Base Sensitivity	`0xD021`	Get/Set the gain base sensitivity.
Exposure Index	`0xD022`	Get/Set the exposure index.
ISO Current Sensitivity	`0xD023`	Get the ISO current sensitivity.
Recording Resolution for Main (Movie)	`0xD024`	Get/Set the recording resolution for main.
Recording Resolution for Proxy (Movie)	`0xD025`	Get/Set the recording resolution for proxy.
Proxy File Format (Movie)	`0xD027`	Get/Set the proxy file format (movie).
Recording Frame Rate Proxy Setting (Movie)	`0xD028`	Get/Set the recording frame rate proxy setting (movie).
Zoom Distance Unit Setting	`0xD029`	Get/Set the zoom distance unit setting.
Select FTP ServerID	`0xD02E`	Get/Set the selected FTP ServerID.
Movie Playing State	`0xD02F`	Get the movie playing state.
Movie Playing Speed	`0xD030`	Get movie playing speed.
Media SLOT1 ProfileUrl	`0xD031`	Get media slot 1 profile URL.
Media SLOT2 ProfileUrl	`0xD032`	Get media slot 2 profile URL.
Media SLOT1 Player	`0xD035`	Get the media slot 1 player.
Media SLOT2 Player	`0xD036`	Get the media slot 2 player.
Battery Remain Display Unit	`0xD037`	Get/Set the battery remain display unit.
Battery Remaining in Minutes	`0xD038`	Get the battery remaining in minutes.

Name	Code	Description
Battery Remaining in Voltage	0xD039	Get the battery remaining in voltage.
Power Source	0xD03A	Get/Set the power source.
AWB	0xD03B	Get/Set the AWB.
BaseLook Value	0xD03C	Get/Set the BaseLook value.
DC Voltage	0xD03E	Get the DC voltage.
Software Version	0xD040	Get the software version.
FTP Function	0xD041	Get/Set the FTP function.
Sync ID for FTP Job List	0xD02A	Get the sync ID for FTP job list.
Playback Media	0xD042	Get/Set the playback media.
REC Settings Reset Enable Status	0xD043	Get the record settings reset enabled status.
Monitor DISP (Screen Display) Mode Candidates	0xD044	Get the monitor DISP (screen display) mode candidates.
Monitor DISP (Screen Display) Mode Setting	0xD045	Get/Set the monitor DISP (screen display) mode setting.
Monitor DISP (Screen Display) Mode	0xD046	Get/Set the monitor DISP (screen display) mode.
Touch Operation	0xD047	Get/Set the touch operation setting.
Select Finder/Monitor	0xD048	Get/Set the finder/monitor setting.
Auto Power OFF Temperature	0xD049	Get/Set the auto power off temperature.
Body Key Lock	0xD04A	Get/Set the body key lock status.
Image ID (Numerical Value)	0xD04B	Get/Set the image ID (numerical value).
Image ID (String)	0xD04C	Get/Set the image ID (string).
Monitor LUT Setting (All Line)	0xD04D	Get/Set the monitor LUT setting.
Auto FTP Transfer	0xD04E	Get/Set the auto FTP transfer.
Auto FTP Transfer Target	0xD04F	Get/Set the auto FTP transfer target.
S&Q Frame Rate	0xD052	Get/Set the S&Q frame rate.
Interval REC (Movie) Time	0xD055	Get/Set the interval recording (movie) time.
Upload Dataset Version	0xD057	Get the UploadDataset version of UploadData command.
BaseLookImport Command Version	0xD059	Get the enabled status and command dataset version (BaseLookImport).
Subject Recognition AF	0xD060	Get/Set subject recognition AF.
AF Transition Speed	0xD061	Get/Set AF transition speed.
AF Subj Shift Sens	0xD062	Get/Set AF subj. shift sens.
ND Filter Switching Setting	0xD073	Get/Set the ND filter switching setting.
Monitoring Output Display HDMI	0xD079	Get/Set the monitoring output display HDMI.
Lens Model Name	0xD07B	Get the lens model name.

Name	Code	Description
Lens Version Number	0xD07D	Get the lens version number.
BaseLookImport Operation Enable Status	0xD08B	Get the BaseLook import operation enabled status.
Image ID (Numerical Value) Setting	0xD092	Get/Set the image ID (numerical value) setting.
Exposure Ctrl Type	0xD099	Get/Set the exposure control type.
FTPSettingList Operation Enable Status	0xD09A	Get the FTPSettingList operation enabled status.
Focus Bracket Shooting Status	0xD0AB	Get the focus bracket shooting status.
Camera Operating Mode	0xD0BC	Get the camera operating mode.
Playback View Mode	0xD0BD	Get the playback view mode.
Type-C Accessory Mode	0xD0C5	Get/Set the Type-C accessory mode.
Pixel Mapping Enable Status	0xD0C6	Get the pixel mapping enabled status.
Delete UserBaseLook	0xD0C7	Set/Get to Delete UserBaseLook
Select UserBaseLook to Edit	0xD0C8	Set/Get to Select UserBaseLook to Edit
UserBaseLook Input	0xD0C9	Get/Set the UserBaseLook input.
UserBaseLook AE Level Offset	0xD0CA	Get/Set the UserBaseLook AE level offset.
Base ISO Switch EI	0xD0CB	Get/Set the base ISO switch EI.
Select BaseLook to Set in PPLUT	0xD0CC	Get/Set to select BaseLook to set in PPLUT.
Eframing Scale (Auto)	0xD0CD	Get/Set the eframing scale (auto).
Eframing Speed (Auto)	0xD0CE	Get/Set the eframing speed (auto).
Camera Eframing	0xD0CF	Get/Set the camera eframing.
S&Q Rec Frame Rate	0xD0D0	Get/Set the S&Q recording frame rate.
S&Q Record Setting	0xD0D1	Get/Set the S&Q recording setting.
Audio Recording	0xD0D2	Get/Set the audio recording.
Time Code Preset	0xD0D3	Get/Set the time code preset.
User Bit Preset	0xD0D4	Get/Set the user bit preset.
Time Code Format	0xD0D5	Get/Set the time code format.
Time Code Run	0xD0D6	Get/Set the time code run.
Time Code Make	0xD0D7	Get/Set the time code make.
User Bit Time Rec	0xD0D8	Get/Set the user bit time recording.
Image Stabilization Steady Shot	0xD0D9	Get/Set the image stabilization steady shot.
Image Stabilization Steady Shot (Movie)	0xD0DA	Get/Set the image stabilization steady shot (movie).
Silent Mode	0xD0DB	Get/Set the silent mode.
Silent Mode Aperture Drive in AF	0xD0DC	Get/Set the silent mode aperture drive in AF.
Silent Mode Shutter When Power OFF	0xD0DD	Get/Set the silent mode shutter when power off.

Name	Code	Description
Silent Mode Auto Pixel Mapping	0xD0DE	Get/Set the silent mode auto pixel mapping.
Shutter Type	0xD0DF	Get/Set the shutter type.
Picture Profile BlackLevel	0xD0E0	Get/Set the picture profile BlackLevel.
Picture Profile Gamma	0xD0E1	Get/Set the picture profile gamma.
Picture Profile BlackGamma Range	0xD0E2	Get/Set the picture profile BlackGamma range.
Picture Profile BlackGamma Level	0xD0E3	Get/Set the picture profile BlackGamma level.
Picture Profile Knee Mode	0xD0E4	Get/Set the picture profile knee mode.
Picture Profile Knee AutoSet MaxPoint	0xD0E5	Get/Set the picture profile knee AutoSet MaxPoint.
Picture Profile Knee AutoSet Sensitivity	0xD0E6	Get/Set the picture profile knee AutoSet sensitivity.
Picture Profile Knee ManualSet Point	0xD0E7	Get/Set the picture profile knee ManualSet point.
Picture Profile Knee ManualSet Slope	0xD0E8	Get/Set the picture profile knee ManualSet slope.
Picture Profile Color Mode	0xD0E9	Get/Set the picture profile color mode.
Picture Profile Saturation	0xD0EA	Get/Set the picture profile saturation.
Picture Profile ColorPhase	0xD0EB	Get/Set the picture profile ColorPhase.
Picture Profile Color Depth Red	0xD0EC	Get/Set the picture profile color depth red.
Picture Profile Color Depth Green	0xD0ED	Get/Set the picture profile color depth green.
Picture Profile Color Depth Blue	0xD0EE	Get/Set the picture profile color depth blue.
Picture Profile Color Depth Cyan	0xD0EF	Get/Set the picture profile color depth cyan.
Picture Profile Color Depth Magenta	0xD0F0	Get/Set the picture profile color depth magenta.
Picture Profile Color Depth Yellow	0xD0F1	Get/Set the picture profile color depth yellow.
Picture Profile Detail Level	0xD0F2	Get/Set the picture profile detail level.
Picture Profile Detail Adjust Mode	0xD0F3	Get/Set the picture profile detail adjust mode.
Picture Profile Detail Adjust V/H Balance	0xD0F4	Get/Set the picture profile detail adjust V/H balance.
Picture Profile Detail Adjust B/W Balance	0xD0F5	Get/Set the picture profile detail adjust B/W balance.
Picture Profile Detail Adjust Limit	0xD0F6	Get/Set the picture profile detail adjust limit.
Picture Profile Detail Adjust Crispening	0xD0F7	Get/Set the picture profile detail adjust crispening.
Picture Profile Detail Adjust Highlight Detail	0xD0F8	Get/Set the picture profile detail adjust highlight detail.
Copy Picture Profile	0xD0F9	Get/Set the copy picture profile.
Creative Look	0xD0FA	Get/Set the creative look.
Creative Look Contrast	0xD0FB	Get/Set the creative look contrast.
Creative Look Highlights	0xD0FC	Get/Set the creative look highlights.

Name	Code	Description
Creative Look Shadows	0xD0FD	Get/Set the creative look shadows.
Creative Look Fade	0xD0FE	Get/Set the creative look fade.
Creative Look Saturation	0xD0FF	Get/Set the creative look saturation.
Creative Look Sharpness	0xD100	Get/Set the creative look sharpness.
Creative Look Sharpness Range	0xD101	Get/Set the creative look sharpness range.
Creative Look Clarity	0xD102	Get/Set the creative look clarity.
Custom Look Image Style	0xD103	Get/Set the custom look image style.
Time Code Preset Reset Enable Status	0xD104	Get the time code preset reset enabled status.
User Bit Preset Reset Enable Status	0xD105	Get the user bit preset reset enabled status.
Sensor Cleaning Enable Status	0xD106	Get the sensor cleaning enabled status.
Reset Picture Profile Enable Status	0xD107	Get the reset picture profile enabled status.
Reset Creative Look Enable Status	0xD108	Get the reset creative look enabled status.
Proxy Record Setting	0xD109	Get/Set the proxy record setting.
Interval REC (Movie) Count Down Interval Time	0xD11F	Get the interval recording (movie) count down interval time.
Recording Duration	0xD120	Get the recording duration.
Eframing Mode (Auto)	0xD124	Get/Set the eframing mode (auto).
Flicker Less Shooting	0xD133	Get/Set the flicker less shooting.
Long Exposure NR	0xD15B	Get/Set the long exposure NR.
High ISO NR	0xD15C	Get/Set the high ISO NR.
HLG Still Image	0xD15D	Get/Set the HLG still image.
Color Space (Still Image)	0xD15E	Get/Set the color space (still image).
Bracket order	0xD166	Get/Set the bracket order.
Focus Bracket order	0xD167	Get/Set the focus bracket order.
Focus Bracket Exposure Lock 1st Img	0xD168	Get/Set the focus bracket exposure lock 1st img.
Focus Bracket Interval Until Next Shot	0xD169	Get/Set the focus bracket interval until next shot.
Interval REC (Still) Shooting Start Time	0xD16A	Get/Set the interval recording (still) shooting start time.
Interval REC (Still) Shooting Interval	0xD16B	Get/Set the interval recording (still) shooting interval.
Interval REC (Still) Number of Shots	0xD16C	Get/Set the interval recording (still) number of shots.
Interval REC (Still) AE Tracking Sensitivity	0xD16D	Get/Set the interval recording (still) AE tracking sensitivity.
Interval REC (Still) Shutter Type	0xD16E	Get/Set the interval recording (still) shutter type.
Interval REC (Still) Shoot Interval Priority	0xD16F	Get/Set the interval recording (still) shoot interval priority.
Wind Noise Reduct	0xD171	Get/Set the wind noise reduction.

Name	Code	Description
Auto Slow Shutter	0xD173	Get/Set the auto slow shutter.
ISO Auto Min Shutter Speed Mode	0xD14D	Get/Set the ISO auto min shutter speed mode.
ISO Auto Min Shutter Speed Manual	0xD176	Get/Set the ISO auto min shutter speed manual.
ISO Auto Min Shutter Speed Preset	0xD177	Get/Set the ISO auto min shutter speed preset.
Soft Skin Effect	0xD178	Get/Set the soft skin effect.
Priority Set in AF-S	0xD179	Get/Set the priority set in AF-S.
Priority Set in AF-C	0xD17A	Get/Set the priority set in AF-C.
Focus Magnification Time	0xD17B	Get/Set the focus magnification time.
Playback Volume Settings	0xD17C	Get/Set the playback volume settings.
Auto Review	0xD17D	Get/Set the auto review.
Audio Signals	0xD17E	Get/Set the audio signals.
HDMI Resolution (Still/Play)	0xD17F	Get/Set the HDMI resolution (still/play).
HDMI Output Rec Media (Movie)	0xD180	Get/Set the HDMI output recording media (movie).
HDMI Output Resolution (Movie)	0xD181	Get/Set the HDMI output resolution (movie).
HDMI Output 4K Set (Movie)	0xD182	Get/Set the HDMI output 4K set (movie).
HDMI Output RAW (Movie)	0xD183	Get/Set the HDMI output RAW (movie).
HDMI Output Raw Setting (Movie)	0xD184	Get/Set the HDMI output RAW setting (movie).
HDMI Output Time Code (Movie)	0xD186	Get/Set the HDMI output time code (movie).
HDMI Output REC Control (Movie)	0xD187	Get/Set the HDMI output recording control (movie).
Media SLOT3 Status	0xD18E	Get the media (slot 3) status.
Media SLOT3 Remaining shooting time	0xD18F	Get the remaining shooting time of media (slot 3).
Media SLOT3 Rec Available Type	0xD190	Get the media slot 3 recording available clip type.
Media SLOT3 ProfileUrl	0xD191	Get media slot 3 profile URL.
Image Stabilization Steady Shot Adjust	0xD192	Get/Set the image stabilization steady shot adjust.
Image Stabilization Steady Shot Focal Length	0xD193	Get/Set the image stabilization steady shot focal length.
Auto FTP Transfer Target (Movie)	0xD199	Get/Set the auto FTP transfer target (movie).
FTP Transfer Target	0xD19A	Get/Set the FTP transfer target.
FTP Transfer Target (Proxy)	0xD14B	Get/Set the FTP transfer target (proxy).
FTP Power Save	0xD14C	Get/Set the FTP power save.
ND Filter Unit Setting	0xD14E	Get/Set the ND filter unit setting.
ND Filter Optical Density Value	0xD14F	Get/Set the ND filter optical density value.
USB Power Supply	0xD150	Get/Set the USB power supply.
Interval REC (Movie) Frame Rate	0xD151	Get/Set the interval recording (movie) frame rate.
Interval REC (Movie) Record Setting	0xD152	Get/Set the interval recording (movie) record setting.

Name	Code	Description
Eframing Recording Image Crop	0xD153	Get/Set the fixed camera recording image crop.
Eframing HDMI Crop	0xD154	Get/Set the fixed camera HDMI crop.
Subject Recognition in AF	0xD157	Get/Set the subject recognition in AF.
Recognition Target	0xD158	Get/Set the recognition target.
Right/Left Eye Select	0xD159	Get/Set the right/left eye select.
Recording Media (Still Image)	0xD15F	Get/Set the recording media (still image).
Recording Media (Movie)	0xD160	Get/Set the recording media (movie).
Auto Switch Media	0xD161	Get/Set the auto switch media.
Camera Shake Status	0xD194	Get the camera shake status.
Update Body Status	0xD195	Get the update body status.
Media SLOT1 Writing State	0xD197	Get the media slot 1 writing state.
Media SLOT2 Writing State	0xD198	Get the media slot 2 writing state.
Focus Driving Status (Absolute)	0xD19C	Get the focus driving status (absolute).
Zoom Driving Status (Absolute)	0xD19D	Get the zoom driving status (absolute).
ISO Auto Range Limit (min)	0xD1B6	Get/Set the ISO auto range limit (min).
ISO Auto Range Limit (max)	0xD1B7	Get/Set the ISO auto range limit (max).
Flash Compensation	0xD200	Get/Set the flash compensation.
Dynamic Range Optimizer	0xD201	Get/Set the dynamic range optimizer.
Image Size	0xD203	Get/Set the image size.
Shutter Speed	0xD20D	Get/Set the shutter speed.
Battery Level Indicator	0xD20E	Get the battery level indicator.
Color Temperature	0xD20F	Get/Set the color temperature.
Biaxial Fine-Tuning G-M Direction	0xD210	Get/Set the biaxial fine-tuning G-M direction.
Aspect Ratio	0xD211	Get/Set the aspect ratio.
Focus Indication	0xD213	Get the focus indication.
Predicted Maximum File Size	0xD214	Get the predicted maximum file size.
Shooting File Info	0xD215	Get the shooting file info.
AELock Indication	0xD217	Get the AE lock indication.
Battery Remaining	0xD218	Get the battery remaining (%).
Picture Effect	0xD21B	Get/Set the picture effect value.
Biaxial Fine-Tuning A-B Direction	0xD21C	Get/Set the biaxial fine-tuning A-B direction.
Movie Recording State	0xD21D	Get the movie recording state.
ISO Sensitivity	0xD21E	Get/Set the ISO sensitivity.
FELock Indication	0xD21F	Get the FE lock indication.
Live View Status	0xD221	Get the live view status.

Name	Code	Description
Still Image Save Destination	0xD222	Get the information of still image save destination.
Date/Time Setting	0xD223	Set the date and time.
Focus Area	0xD22C	Get/Set the focus area.
Live View Display Effect	0xD231	Get/Set the live view display effect.
Near/Far Enable Status	0xD235	Get the near/far enabled status.
Pixel Shift Shooting Mode	0xD239	Get the pixel shift shooting mode.
Pixel Shift Shooting Number	0xD23A	Get/Set the pixel shift shooting number.
Pixel Shift Shooting Interval	0xD23B	Get/Set the pixel shift shooting interval.
Pixel Shift Shooting Status	0xD23C	Get the pixel shift shooting status.
Progress Number of Pixel Shift Shooting	0xD23D	Get the progress number of pixel shift shooting.
Picture Profile	0xD23F	Get/Set the picture profile.
Creative Style	0xD240	Get/Set the creative style.
File Format (Movie)	0xD241	Get/Set the file format (movie).
Recording Setting (Movie)	0xD242	Get/Set the recording setting (movie).
Media SLOT1 Status	0xD248	Get the media (SLOT1) status.
Media SLOT1 Remaining number shots	0xD249	Get the remaining number shots of media (SLOT1).
Media SLOT1 Remaining shooting time	0xD24A	Get the remaining shooting time of media (SLOT1).
Focal position	0xD24C	Get the focal position.
AWBLock Indication	0xD24E	Get the AWB lock indication.
Interval REC (Still) Mode	0xD24F	Get/Set the interval REC (still) mode.
Interval REC (Still) Status	0xD250	Get the interval REC (still) status.
Device Overheating State	0xD251	Get the device overheating state.
Still Image Quality	0xD252	Get/Set the still image quality.
File Format (Still)	0xD253	Get/Set the file format (still).
Focus Magnifier Setting	0xD254	Get/Set the focus magnifier setting.
AF Tracking Sensitivity (Still)	0xD255	Get/Set the AF tracking sensitivity (still).
Media SLOT2 Status	0xD256	Get the media (SLOT2) status.
Media SLOT2 Remaining number shots	0xD257	Get the remaining number shots of media (SLOT2).
Media SLOT2 Remaining shooting time	0xD258	Get the remaining shooting time of media (SLOT2).
Position Key Setting	0xD25A	Get/Set the position key setting.
Zoom Operation Enable Status	0xD25B	Get the zoom operation enabled status.
Zoom Scale	0xD25C	Get/Set the zoom scale.

Name	Code	Description
Zoom Bar Information	0xD25D	Get the zoom bar information.
Zoom Speed Range	0xD25E	Get the zoom speed range.
Zoom Setting	0xD25F	Get/Set the zoom setting.
Zoom Type Status	0xD260	Get the zoom type status.
Wireless Flash Setting	0xD262	Get/Set the wireless flash setting.
Red Eye Reduction	0xD263	Get/Set the red eye reduction.
Remote Control Restriction Status	0xD264	Get the remote control restriction status.
Live View Area (x, y)	0xD267	Get the live view area (x, y).
Still Image Trans Size	0xD268	Get/Set the still image trans size.
RAW+J PC Save Image	0xD269	Get/Set the RAW+J PC save image.
Live View Image Quality	0xD26A	Get/Set the live view image quality.
Custom WB Capturable Area (x, y)	0xD26B	Get the custom WB capturable area (x, y).
Custom WB Capture Frame Size (x, y)	0xD26C	Get the custom WB capture frame size (x, y).
Custom WB Capture Standby Operation	0xD26D	Get the custom WB capture standby operation.
Custom WB Capture Standby Cancel Operation	0xD26E	Get the custom WB capture standby cancel operation.
Custom WB Capture Operation	0xD26F	Get the custom WB capture operation enabled status.
Custom WB Execution State	0xD270	Get the custom WB execution state.
Camera-Setting Save Operation	0xD271	Get the camera-setting save operation enabled status.
Camera-Setting Read Operation	0xD272	Get the camera-setting read operation enabled status.
Camera-Setting Save/Read State	0xD273	Get the camera-setting save/read state.
FTP-Setting Save Operation	0xD274	Get the FTP-setting save operation enabled status.
FTP-Setting Read Operation	0xD275	Get the FTP-setting read operation enabled status.
FTP-Setting Save/Read State	0xD276	Get the FTP-setting save/read state.
Media SLOT1 Format Enable Status	0xD279	Get the media format enabled status (SLOT1).
Media SLOT2 Format Enable Status	0xD27A	Get the media format enabled status (SLOT2).
Media Format Progress Rate	0xD27B	Get the media format progress rate.
Select FTP Server	0xD27C	Get/Set the selected FTP server.
FTP Connection Status	0xD27F	Get the FTP connection status.
FTP Connection Error Info	0xD280	Get the FTP connection error info.
High Resolution SS Setting	0xD281	Get/Set the high resolution SS setting.
High Resolution Shutter Speed	0xD282	Get the high resolution shutter speed.
Function of Touch Operation	0xD283	Get/Set the function of touch operation.
Remote Touch Operation Enable Status	0xD284	Get the remote touch operation enabled status.

Name	Code	Description
Cancel Remote Touch Operation Enable Status	0xD285	Get the cancel remote touch AF operation enabled status.
Recording Frame Rate Setting (Movie)	0xD286	Get/Set the recording frame rate setting (movie).
Compression File Format (Still)	0xD287	Get/Set the still image compression format.
RAW File Type	0xD288	Get/Set the RAW file type.
Media Slot1 RAW File Type	0xD289	Get/Set the RAW file type of media slot 1.
Media Slot2 RAW File Type	0xD28A	Get/Set the RAW file type of media slot 2.
Media Slot1 File Format (Still)	0xD28B	Get/Set the file format (still) of media slot 1.
Media Slot2 File Format (Still)	0xD28C	Get/Set the file format (still) of media slot 2.
Media SLOT1 Image Quality	0xD28D	Get/Set the image quality of media slot 1.
Media SLOT2 Image Quality	0xD28E	Get/Set the image quality of media slot 2.
Media SLOT1 Image Size	0xD28F	Get/Set the image size of media slot 1.
Media SLOT2 Image Size	0xD290	Get/Set the image size of media slot 2.
Media SLOT1 Quick Format Enable Status	0xD292	Get the media quick format enabled status (slot 1).
Media SLOT2 Quick Format Enable Status	0xD293	Get the media quick format enabled status (slot 2).
Cancel Media Format Enable Status	0xD294	Get the cancel media format enabled status.
Contents Transfer Enable Status	0xD295	Get the contents transfer enabled status.
Save Zoom and Focus Position	0xD297	Get the save zoom and focus position enabled status.
Load Zoom and Focus Position	0xD298	Get the load zoom and focus position enabled status.
Remote Control Zoom Speed Type	0xD299	Get/Set the remote control zoom speed type.
APS-C or Full Switching Setting	0xD29A	Get the APS-C or full switching setting.
APS-C or Full Switching Enable Status	0xD29B	Get the APS-C or full switching status.
Movie Rec Self timer	0xD29C	Get/Set the movie record self timer.
Movie Rec Self timer Count time	0xD29D	Get/Set the movie record self timer count time.
Movie Rec Self timer Continuous	0xD29F	Get/Set the movie record self timer continuous.
Movie Rec Self timer Status	0xD2A0	Get the movie record self timer status.
Focus Bracket Shot Num	0xD2A1	Get/Set the focus bracket shot number.
Focus Bracket Focus Range	0xD2A2	Get/Set the focus bracket focus range.
Bulb Timer Setting	0xD2A4	Get/Set the bulb timer setting.
Bulb Exposure Time Setting	0xD2A5	Get/Set the bulb exposure time setting.
Flicker Scan Status	0xD2BA	Get the flicker scan status.
Flicker Scan Enable Status	0xD2BB	Get the flicker scan enabled status.
Movie Shooting Mode	0xE000	Get/Set the movie shooting mode.

Name	Code	Description
Movie Shooting Mode Color Gamut	0xE001	Get/Set the movie shooting mode color gamut.
Movie Shooting Mode Target Display	0xE002	Get/Set the movie shooting mode target display.
Focus TouchSpot Status	0xE004	Get the focus TouchSpot status.
Focus Tracking Status	0xE005	Get the focus tracking status.
Shutter ECS Setting	0xE006	Get/Set the shutter ECS setting.
Shutter ECS Number	0xE007	Get/Set the shutter ECS number.
Shutter ECS Frequency	0xE008	Get/Set the shutter ECS frequency.
Depth of Field Adjustment Mode	0xE009	Get/Set the depth of field adjustment mode.
Depth of Field Adjustment Interlocking Mode State	0xE00A	Get the depth of field adjustment interlocking mode state.
Recorder Clip Name	0xE00B	Get recorder clip name create by the next recording.
Recorder Control Main Setting	0xE00C	Get the recorder control main setting.
Recorder Control Proxy Setting	0xE00D	Get/Set the recorder control proxy setting.
Recorder Start Main	0xE00E	Get the recorder start main.
Recorder Start Proxy	0xE00F	Get the recorder start proxy.
Recorder Main Status	0xE010	Get the recorder main status.
Recorder Proxy Status	0xE011	Get the recorder proxy status.
Recorder Ext Raw Status	0xE012	Get the recorder ext raw status.
Recorder Save Destination	0xE013	Get the information of recorder save destination.
Button Assignment Assignable.1	0xE014	Get/Set the button assignment assignable 1.
Button Assignment Assignable.2	0xE015	Get/Set the button assignment assignable 2.
Button Assignment Assignable.3	0xE016	Get/Set the button assignment assignable 3.
Button Assignment Assignable.4	0xE017	Get/Set the button assignment assignable 4.
Button Assignment Assignable.5	0xE018	Get/Set the button assignment assignable 5.
Button Assignment Assignable.6	0xE019	Get/Set the button assignment assignable 6.
Button Assignment Assignable.7	0xE01A	Get/Set the button assignment assignable 7.
Button Assignment Assignable.8	0xE01B	Get/Set the button assignment assignable 8.
Button Assignment Assignable.9	0xE01C	Get/Set the button assignment assignable 9.
Button Assignment Assignable.10	0xE01D	Get/Set the button assignment assignable 10.
Button Assignment LensAssignable.1	0xE01E	Get/Set the button assignment LensAssignable 1.
SceneFile Index	0xE01F	Get/Set the SceneFile index.
Current SceneFile Edited	0xE020	Get the current SceneFile edited info.
Movie Play Button	0xE021	Get/Set the movie play button.
Movie Play Pause Button	0xE022	Get/Set the movie play pause button.
Movie Play Stop Button	0xE023	Get/Set the movie play stop button.

Name	Code	Description
Movie Forward Button	0xE024	Get/Set the movie forward button.
Movie Rewind Button	0xE025	Get/Set the movie rewind button.
Movie Next Button	0xE026	Get/Set the movie next button.
Movie Prev Button	0xE027	Get/Set the movie prev button.
Movie RecReview Button	0xE028	Get/Set the movie RecReview button.
Assignable Button 1	0xE029	Get/Set the assignable button 1.
Assignable Button 2	0xE02A	Get/Set the assignable button 2.
Assignable Button 3	0xE02B	Get/Set the assignable button 3.
Assignable Button 4	0xE02C	Get/Set the assignable button 4.
Assignable Button 5	0xE02D	Get/Set the assignable button 5.
Assignable Button 6	0xE02E	Get/Set the assignable button 6.
Assignable Button 7	0xE02F	Get/Set the assignable button 7.
Assignable Button 8	0xE030	Get/Set the assignable button 8.
Assignable Button 9	0xE031	Get/Set the assignable button 9.
Assignable Button 10	0xE032	Get/Set the assignable button 10.
LensAssignable Button 1	0xE033	Get/Set the lens assignable button 1.
Assignable Button Indicator 1	0xE035	Get the assignable button indicator 1.
Assignable Button Indicator 2	0xE036	Get the assignable button indicator 2.
Assignable Button Indicator 3	0xE037	Get the assignable button indicator 3.
Assignable Button Indicator 4	0xE038	Get the assignable button indicator 4.
Assignable Button Indicator 5	0xE039	Get the assignable button indicator 5.
Assignable Button Indicator 6	0xE03A	Get the assignable button indicator 6.
Assignable Button Indicator 7	0xE03B	Get the assignable button indicator 7.
Assignable Button Indicator 8	0xE03C	Get the assignable button indicator 8.
Assignable Button Indicator 9	0xE03D	Get the assignable button indicator 9.
Assignable Button Indicator 10	0xE03E	Get the assignable button indicator 10.
LensAssignable Button Indicator 1	0xE03F	Get the lens assignable button indicator 1.
Focus Position Setting	0xE042	Get/Set the absolute foucus position.
Focus Position Current Value	0xE043	Get the absolute foucus position current value.
Audio Input Master Level	0xE050	Get/Set the audio input master level.
Audio Output HDMI Monitor CH	0xE059	Get/Set the audio output HDMI monitor CH.
Movie Rec Button (Toggle) Enable Status	0xE061	Get the movie recording button (toggle) enabled status.
Image Stabilization Level (Movie)	0xE080	Get/Set the image stabilization level (movie).
Movie Trimming Transfer Support Information	0xE082	Get the movie trimming transfer support information.

Name	Code	Description
Function of Remote Touch Operation	0xE083	Get/Set the function of remote touch operation.
AF Assist	0xE084	Get/Set the AF assist.
Lens Information Enable Status	0xE086	Get the lens information enabled status.
Follow Focus Position Setting	0xE088	Get/Set the follow focus position.
Follow Focus Position Current Value	0xE089	Get the follow focus position current value.
Button Assignment Assignable.11	0xE08D	Get/Set the button assignment assignable 11.
Assignable Button 11	0xE08E	Get/Set the assignable button 11.
Assignable Button Indicator 11	0xE08F	Get the assignable button indicator 11.

Controls

Name	Code	Description
Shutter Half-Release (S1) Button	0xD2C1	Control shutter half-release (S1) button.
Shutter Release (S2) Button	0xD2C2	Control shutter release (S2) button.
AEL Button	0xD2C3	Control AEL button.
Movie Rec Button (Hold)	0xD2C8	Control movie recording (S/S) button.
FEL Button	0xD2C9	Control FEL button.
Near/Far	0xD2D1	Set the near/far.
AWBL Button	0xD2D9	Control AWBL button.
AF Area Position (x, y)	0xD2DC	Execute set AF area position (x, y).
Zoom Operation	0xD2DD	Execute the zoom operation.
Custom WB Capture Standby	0xD2DF	Execute the custom WB capture standby.
Custom WB Capture Standby Cancel	0xD2E0	Execute the custom WB capture standby cancel.
Custom WB Capture	0xD2E1	Execute the custom WB capture.
Selected Media Format	0xD2E2	Execute format the selected media.
Remote Touch Operation (x, y)	0xD2E4	Execute remote touch operation (x, y).
Cancel Remote Touch Operation	0xD2E5	Execute cancel remote touch operation.
S1 & S2 Button	0xD2E6	Execute shutter half-release (S1) and shutter release (S2) buttons.
Cancel Media Format	0xD2E7	Execute cancel media format.
Save Zoom and Focus Position	0xD2E9	Execute save zoom and focus position.
Load Zoom and Focus Position	0xD2EA	Execute load zoom and focus position.
APS-C or Full Switching	0xD2EB	Execute APS-C or full switching.
Color Temperature Step	0xD2EC	Set the color temperature.
White Balance Tint Step	0xD2ED	Set the white balance tint.

Name	Code	Description
Focus Operation	0xD2EF	Execute the focus operation.
Flicker Scan	0xD2F1	Execute flicker scan.
REC Settings Reset	0xD2F3	Execute recording settings reset.
Pixel Mapping	0xD300	Execute pixel mapping.
Power Off	0xD301	Execute power off.
Time Code Preset Reset	0xD302	Execute time code preset reset.
User Bit Preset Reset	0xD303	Execute user bit preset reset.
Sensor Cleaning	0xD304	Execute sensor cleaning.
Reset Picture Profile	0xD305	Execute picture profile reset.
Reset Creative Look	0xD306	Execute creative look reset.
Shutter ECS Number Step	0xF000	Set the shutter ECS number.
Movie Rec Button (Toggle)	0xF001	Control movie recording button (toggle).
Cancel Focus Position	0xF002	Execute cancel absolute focus position.

Events

Name	Code	Description
StoreAdded	0x4004	same as PIMA 15740
StoreRemoved	0x4005	same as PIMA 15740
SDIE_ObjectAdded	0xC201	Notify that a shot file is ready to transfer.
SDIE_ObjectRemoved	0xC202	Notify that a shot file is deleted. The device sends this event when the shot file is transferred.
SDIE_DevicePropChanged	0xC203	Notify that the DevicePropValue is changed.
SDIE_DateTimeSettingResult	0xC205	Notify Date/Time Setting result.
SDIE_CapturedEvent	0xC206	Notify a captured event.
SDIE_CWBCapturedResult	0xC208	Notify the result of Custom WB capture.
SDIE_CameraSettingReadResult	0xC209	Notify the result of camera-setting read.
SDIE_FTPSettingReadResult	0xC20A	Notify the result of FTP-setting read.
SDIE_MediaFormatResult	0xC20B	Notify the result of media format.
SDIE_FTPDisplayNameListChanged	0xC20C	Notify an update of FTPDisplayNameList.
SDIE_ContentsTransferEvent	0xC20D	Notify that the ContentTransferEvent.
SDIE_ZoomandFocusPositionEvent	0xC20E	Notify the Zoom and Focus Position Event.
SDIE_DisplayListChangedEvent	0xC20F	Notify an update of DisplayStringList.
SDIE_MediaProfileChanged	0xC210	Notify that the media profile is changed.
SDIE_ControlJobListEvent	0xC211	Notify the Control Job List Event.

Name	Code	Description
SDIE_ControlUploadDataResult	0xC214	Notify the result of ControlUpload.
SDIE_FocusPositionResult	0xC218	Notify the focus position result.
SDIE_LensInformationChanged	0xC21B	Notify that the lens information is changed.
SDIE_OperationResults	0xC222	Notify the operation results.
SDIE_AFStatus	0xC223	Notify the AF status.
SDIE_MovieRecOperationResults	0xC224	Notify the execution results of Movie Rec Operation.

Vendor Response Code

Name	Code	Description
Authentication Failed	0xA101	Indicates that the major version of the connected host is less than that of the camera. It also indicates that authentication fails due to some other factor.
Password Length Over Max	0xA102	Indicates that the password length is over max.
Password Includes Invalid Character	0xA103	Indicates that the password includes invalid character.
Feature Version Invalid Value	0xA104	Indicates that the feature version is invalid value.
Temporary Storage Full	0xA105	Indicates that the temporary storage is full.
Camera Status Error	0xA106	Indicates that a camera status error occurred.

Object Format

Name	Code	Description
EXIF/JPG	0x3801	For JPEG File
RAW	0xB101	For RAW File
HEIF	0xB110	For HEIF File
MPO	0xB301	For MPO File
JFIF	0x3808	For JFIF File

Compatibility

Operations

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0x1001	GetDeviceInfo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x1002	OpenSession	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x1003	CloseSession	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x1004	GetStorageIDs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x1005	GetStorageInfo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x1006	GetNumObjects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x1007	GetObjectHandles	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x1008	GetObjectInfo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x1009	GetObject	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x100A	GetThumb	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x100D	SendObject	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
0x101B	GetPartialObject	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x9803	GetObjectPropValue	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x9805	GetObjectPropList	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x9201	SDIO_Connect	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x9202	SDIO_GetExtDeviceInfo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x9205	SDIO_SetExtDevicePropValue	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x9207	SDIO_ControlDevice	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x9209	SDIO_GetAllExtDevicePropInfo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x920F	SDIO_SetFTPSettingFilePassword	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓				✓		✓		
0x9210	SDIO_OpenSession	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓
0x9211	SDIO_GetPartialLargeObject	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓		
0x9212	SDIO_SetContentsTransferMode	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓		
0x9215	SDIO_GetDisplayStringList	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0x9216	SDIO_GetVenderCodeVersion	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓					✓	✓
0x9217	SDIO_GetFTPJobList																								✓	✓
0x9218	SDIO_ControlFTPJobList																								✓	✓
0x921A	SDIO_UploadData		✓						✓	✓				✓	✓	✓				✓					✓	✓
0x921B	SDIO_ControlUploadData		✓						✓	✓				✓	✓	✓				✓					✓	✓
0x921F	SDIO_GetFTPSettingList	✓	✓		✓			✓	✓	✓	✓			✓	✓	✓										
0x9220	SDIO_SetFTPSettingList	✓	✓		✓			✓	✓	✓	✓			✓	✓	✓										
0x9223	SDIO_GetLensInformation	✓	✓						✓	✓	✓			✓	✓	✓				✓					✓	✓
0x922F	SDIO_OperationResultsSupported	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							

Device Properties

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0x5005	White Balance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0x5007	F-Number	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0x500A	Focus Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0x500B	Exposure Metering Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0x500C	Flash Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓	✓	✓	✓		✓	✓	✓		
0x500E	Exposure Program Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0x5010	Exposure Bias Compensation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0x5013	Still Capture Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD000	T-Number																									✓
0xD001	Iris Mode Setting	✓	✓		✓				✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0xD003	Iris Display Unit																								✓	✓
0xD004	Focal Distance in Meter	✓	✓						✓																✓	✓
0xD005	Focal Distance in Feet																								✓	✓
0xD006	Focal Distance Unit Setting																								✓	✓
0xD007	Focus Mode Setting	✓	✓						✓	✓	✓			✓	✓	✓			✓						✓	✓
0xD008	Focus Speed Range																								✓	✓
0xD00A	Digital Zoom Scale																								✓	✓
0xD00B	Zoom Distance	✓	✓					✓	✓	✓	✓			✓					✓						✓	✓
0xD00C	White Balance Mode Setting																								✓	✓
0xD00D	White Balance Tint																								✓	✓
0xD00E	Shutter Angle																								✓	✓
0xD00F	Shutter Setting																								✓	✓
0xD010	Shutter Mode																								✓	✓
0xD011	Shutter Mode Status																								✓	✓
0xD013	Shutter Mode Setting	✓	✓		✓				✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0xD014	Shutter Slow																								✓	✓
0xD015	Shutter Slow Frames																								✓	✓
0xD016	Shutter Speed Value																								✓	✓
0xD017	Shutter Speed Current Value																								✓	✓
0xD018	ND Filter																								✓	✓
0xD019	ND Filter Mode																								✓	✓
0xD01A	ND Filter Mode Setting																								✓	✓
0xD01B	ND Filter Value																								✓	✓
0xD01C	Gain Control Setting	✓	✓		✓				✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0xD01D	Gain Unit Setting																								✓	✓
0xD01E	Gain dB Value																								✓	✓
0xD01F	Gain dB Current Value																								✓	✓
0xD020	Gain Base ISO Sensitivity	✓	✓		✓				✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0xD021	Gain Base Sensitivity																								✓	✓
0xD022	Exposure Index	✓	✓		✓				✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0xD023	ISO Current Sensitivity	✓	✓		✓				✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0xD024	Recording Resolution for Main (Movie)																								✓	✓
0xD025	Recording Resolution for Proxy (Movie)																								✓	✓
0xD027	Proxy File Format (Movie)	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓			✓						✓	✓

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xD028	Recording Frame Rate Proxy Setting (Movie)																								✓	✓
0xD029	Zoom Distance Unit Setting																								✓	✓
0xD02E	Select FTP ServerID																								✓	✓
0xD02F	Movie Playing State																								✓	✓
0xD030	Movie Playing Speed																								✓	✓
0xD031	Media SLOT1 ProfileUrl																								✓	✓
0xD032	Media SLOT2 ProfileUrl																								✓	✓
0xD035	Media SLOT1 Player																								✓	✓
0xD036	Media SLOT2 Player																								✓	✓
0xD037	Battery Remain Display Unit																								✓	✓
0xD038	Battery Remaining in Minutes																								✓	✓
0xD039	Battery Remaining in Voltage																								✓	✓
0xD03A	Power Source																								✓	✓
0xD03B	AWB																								✓	✓
0xD03C	BaseLook Value	✓	✓		✓				✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0xD03E	DC Voltage																								✓	✓
0xD040	Software Version	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓								✓	✓
0xD041	FTP Function	✓	✓					✓	✓	✓	✓			✓												
0xD02A	Sync ID for FTP Job List																								✓	✓
0xD042	Playback Media		✓		✓			✓							✓	✓										
0xD043	REC Settings Reset Enable Status	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD044	Monitor DISP (Screen Display) Mode Candidates	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD045	Monitor DISP (Screen Display) Mode Setting	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓					
0xD046	Monitor DISP (Screen Display) Mode	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓					
0xD047	Touch Operation	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓					
0xD048	Select Finder/Monitor	✓	✓		✓			✓	✓	✓	✓		✓													
0xD049	Auto Power OFF Temperature	✓	✓		✓			✓	✓	✓	✓		✓		✓	✓	✓		✓		✓					
0xD04A	Body Key Lock	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓					
0xD04B	Image ID (Numerical Value)	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD04C	Image ID (String)	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD04D	Monitor LUT Setting (All Line)	✓	✓		✓				✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD04E	Auto FTP Transfer	✓	✓					✓	✓	✓	✓			✓												
0xD04F	Auto FTP Transfer Target	✓	✓					✓	✓	✓	✓			✓												
0xD052	S&Q Frame Rate	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓						✓	✓
0xD055	Interval REC (Movie) Time		✓						✓	✓				✓					✓							
0xD057	Upload Dataset Version	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓					✓	✓
0xD059	BaseLookImport Command Version	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓					✓	✓
0xD060	Subject Recognition AF	✓	✓					✓	✓	✓					✓	✓	✓		✓						✓	✓
0xD061	AF Transition Speed	✓	✓					✓	✓	✓					✓	✓	✓		✓						✓	✓
0xD062	AF Subj Shift Sens	✓	✓					✓	✓	✓					✓	✓	✓		✓						✓	✓
0xD073	ND Filter Switching Setting																								✓	✓
0xD079	Monitoring Output Display HDMI	✓	✓					✓	✓	✓	✓			✓					✓							
0xD07B	Lens Model Name	✓	✓					✓	✓	✓	✓			✓					✓							
0xD07D	Lens Version Number	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓			✓							
0xD08B	BaseLookImport Operation Enable Status		✓						✓	✓					✓	✓			✓						✓	✓
0xD092	Image ID (Numerical Value) Setting	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD099	Exposure Ctrl Type	✓	✓		✓				✓	✓	✓				✓	✓										

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xD09A	FTPSettingList Operation Enable Status	✓	✓					✓	✓	✓	✓			✓					✓							
0xD0AB	Focus Bracket Shooting Status		✓		✓					✓	✓		✓	✓			✓		✓							
0xD0BC	Camera Operating Mode	✓	✓					✓	✓										✓						✓	✓
0xD0BD	Playback View Mode																								✓	✓
0xD0C5	Type-C Accessory Mode									✓	✓		✓	✓			✓		✓	✓						
0xD0C6	Pixel Mapping Enable Status	✓	✓					✓	✓	✓	✓		✓	✓			✓		✓							
0xD0C7	Delete UserBaseLook		✓					✓	✓				✓	✓	✓				✓							
0xD0C8	Select UserBaseLook to Edit		✓					✓	✓				✓	✓	✓				✓						✓	
0xD0C9	UserBaseLook Input	✓	✓					✓	✓	✓			✓	✓	✓				✓						✓	
0xD0CA	UserBaseLook AE Level Offset	✓	✓					✓	✓	✓			✓	✓	✓				✓						✓	
0xD0CB	Base ISO Switch EI															✓										
0xD0CC	Select BaseLook to Set in PPLUT	✓	✓					✓	✓	✓			✓	✓	✓	✓			✓							
0xD0CD	Eframing Scale (Auto)		✓					✓	✓	✓			✓						✓							
0xD0CE	Eframing Speed (Auto)		✓					✓	✓	✓			✓						✓							
0xD0CF	Camera Eframing		✓					✓	✓	✓			✓						✓							
0xD0D0	S&Q Rec Frame Rate	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D1	S&Q Record Setting	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D2	Audio Recording	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D3	Time Code Preset	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D4	User Bit Preset	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D5	Time Code Format	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D6	Time Code Run	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D7	Time Code Make	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D8	User Bit Time Rec	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0D9	Image Stabilization Steady Shot	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0DA	Image Stabilization Steady Shot (Movie)	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							✓
0xD0DB	Silent Mode	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0DC	Silent Mode Aperture Drive in AF	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0DD	Silent Mode Shutter When Power OFF	✓	✓		✓			✓	✓	✓	✓		✓													
0xD0DE	Silent Mode Auto Pixel Mapping	✓	✓		✓			✓	✓	✓	✓		✓													
0xD0DF	Shutter Type	✓			✓			✓	✓	✓	✓		✓	✓	✓	✓										
0xD0E0	Picture Profile BlackLevel	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E1	Picture Profile Gamma	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E2	Picture Profile BlackGamma Range	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E3	Picture Profile BlackGamma Level	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E4	Picture Profile Knee Mode	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E5	Picture Profile Knee AutoSet MaxPoint	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E6	Picture Profile Knee AutoSet Sensitivity	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E7	Picture Profile Knee ManualSet Point	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E8	Picture Profile Knee ManualSet Slope	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0E9	Picture Profile Color Mode	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0EA	Picture Profile Saturation	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0EB	Picture Profile ColorPhase	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0EC	Picture Profile Color Depth Red	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0ED	Picture Profile Color Depth Green	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0EE	Picture Profile Color Depth Blue	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0EF	Picture Profile Color Depth Cyan	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xD0F0	Picture Profile Color Depth Magenta	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F1	Picture Profile Color Depth Yellow	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F2	Picture Profile Detail Level	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F3	Picture Profile Detail Adjust Mode	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F4	Picture Profile Detail Adjust V/H Balance	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F5	Picture Profile Detail Adjust B/W Balance	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F6	Picture Profile Detail Adjust Limit	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F7	Picture Profile Detail Adjust Crispening	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F8	Picture Profile Detail Adjust Highlight Detail	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0F9	Copy Picture Profile	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0FA	Creative Look	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0FB	Creative Look Contrast	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0FC	Creative Look Highlights	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0FD	Creative Look Shadows	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0FE	Creative Look Fade	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD0FF	Creative Look Saturation	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD100	Creative Look Sharpness	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD101	Creative Look Sharpness Range	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD102	Creative Look Clarity	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD103	Custom Look Image Style	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD104	Time Code Preset Reset Enable Status	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD105	User Bit Preset Reset Enable Status	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD106	Sensor Cleaning Enable Status	✓	✓		✓			✓	✓	✓	✓		✓		✓	✓	✓									
0xD107	Reset Picture Profile Enable Status	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD108	Reset Creative Look Enable Status	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD109	Proxy Record Setting	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD11F	Interval REC (Movie) Count Down Interval Time		✓						✓	✓			✓	✓			✓		✓							
0xD120	Recording Duration		✓						✓	✓			✓	✓			✓		✓							
0xD124	Eframing Mode (Auto)		✓						✓	✓																
0xD133	Flicker Less Shooting	✓							✓	✓			✓	✓												
0xD15B	Long Exposure NR	✓	✓					✓	✓	✓	✓				✓											
0xD15C	High ISO NR	✓	✓					✓	✓	✓	✓				✓				✓							
0xD15D	HLG Still Image	✓	✓					✓	✓	✓	✓				✓				✓							
0xD15E	Color Space (Still Image)	✓	✓					✓	✓	✓	✓				✓				✓							
0xD166	Bracket order	✓	✓					✓	✓	✓	✓				✓				✓							
0xD167	Focus Bracket order		✓						✓	✓					✓				✓							
0xD168	Focus Bracket Exposure Lock 1st Img		✓						✓	✓					✓				✓							
0xD169	Focus Bracket Interval Until Next Shot		✓						✓	✓					✓				✓							
0xD16A	Interval REC (Still) Shooting Start Time	✓	✓					✓	✓	✓	✓				✓				✓							
0xD16B	Interval REC (Still) Shooting Interval	✓	✓					✓	✓	✓	✓				✓				✓							
0xD16C	Interval REC (Still) Number of Shots	✓	✓					✓	✓	✓	✓				✓				✓							
0xD16D	Interval REC (Still) AE Tracking Sensitivity	✓	✓					✓	✓	✓	✓				✓				✓							
0xD16E	Interval REC (Still) Shutter Type	✓						✓	✓	✓	✓															
0xD16F	Interval REC (Still) Shoot Interval Priority	✓	✓					✓	✓	✓	✓				✓				✓							
0xD171	Wind Noise Reduct	✓	✓					✓	✓	✓	✓								✓							
0xD173	Auto Slow Shutter	✓	✓					✓	✓	✓	✓				✓				✓							
0xD14D	ISO Auto Min Shutter Speed Mode	✓	✓					✓	✓	✓	✓				✓				✓							

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xD176	ISO Auto Min Shutter Speed Manual	✓	✓					✓	✓	✓	✓			✓					✓							
0xD177	ISO Auto Min Shutter Speed Preset	✓	✓					✓	✓	✓	✓			✓					✓							
0xD178	Soft Skin Effect		✓					✓		✓	✓			✓					✓							
0xD179	Priority Set in AF-S	✓	✓					✓	✓	✓	✓			✓					✓							
0xD17A	Priority Set in AF-C	✓	✓					✓	✓	✓	✓			✓					✓							
0xD17B	Focus Magnification Time	✓	✓					✓	✓	✓	✓			✓					✓							
0xD17C	Playback Volume Settings	✓	✓					✓	✓	✓	✓								✓							
0xD17D	Auto Review	✓	✓					✓	✓	✓	✓			✓					✓							
0xD17E	Audio Signals	✓	✓					✓	✓	✓	✓								✓							
0xD17F	HDMI Resolution (Still/Play)	✓	✓					✓	✓	✓	✓			✓					✓							
0xD180	HDMI Output Rec Media (Movie)	✓	✓					✓	✓	✓	✓			✓					✓							
0xD181	HDMI Output Resolution (Movie)	✓	✓					✓	✓	✓	✓			✓					✓							
0xD182	HDMI Output 4K Set (Movie)	✓	✓					✓	✓	✓	✓			✓					✓							
0xD183	HDMI Output RAW (Movie)	✓	✓						✓		✓			✓												
0xD184	HDMI Output Raw Setting (Movie)	✓	✓						✓		✓			✓												
0xD186	HDMI Output Time Code (Movie)	✓	✓					✓	✓	✓	✓			✓					✓							
0xD187	HDMI Output REC Control (Movie)	✓	✓					✓	✓	✓	✓			✓					✓							
0xD18E	Media SLOT3 Status																									✓
0xD18F	Media SLOT3 Remaining shooting time																									✓
0xD190	Media SLOT3 Rec Available Type																									✓
0xD191	Media SLOT3 ProfileUrl																									✓
0xD192	Image Stabilization Steady Shot Adjust		✓					✓											✓							✓
0xD193	Image Stabilization Steady Shot Focal Length		✓					✓											✓							✓
0xD199	Auto FTP Transfer Target (Movie)	✓	✓					✓	✓	✓	✓			✓												
0xD19A	FTP Transfer Target	✓	✓					✓	✓	✓	✓			✓												
0xD14B	FTP Transfer Target (Proxy)	✓	✓					✓	✓	✓	✓			✓												
0xD14C	FTP Power Save	✓	✓					✓	✓	✓	✓			✓												
0xD14E	ND Filter Unit Setting																									✓
0xD14F	ND Filter Optical Density Value																									✓
0xD150	USB Power Supply	✓	✓					✓	✓	✓	✓								✓							
0xD151	Interval REC (Movie) Frame Rate		✓							✓	✓			✓					✓							
0xD152	Interval REC (Movie) Record Setting		✓							✓	✓			✓					✓							
0xD153	Eframing Recording Image Crop		✓							✓	✓															
0xD154	Eframing HDMI Crop		✓							✓	✓															
0xD157	Subject Recognition in AF	✓	✓					✓	✓	✓	✓			✓					✓							
0xD158	Recognition Target	✓	✓					✓	✓	✓	✓			✓					✓							
0xD159	Right/Left Eye Select	✓	✓					✓	✓	✓	✓			✓					✓							
0xD15F	Recording Media (Still Image)	✓	✓					✓	✓																	
0xD160	Recording Media (Movie)	✓	✓					✓	✓																	
0xD161	Auto Switch Media	✓	✓					✓	✓																	
0xD194	Camera Shake Status	✓	✓					✓	✓	✓	✓			✓					✓							
0xD195	Update Body Status	✓	✓					✓	✓	✓	✓			✓					✓							
0xD197	Media SLOT1 Writing State	✓	✓					✓	✓	✓	✓			✓					✓							
0xD198	Media SLOT2 Writing State	✓	✓					✓	✓																	
0xD19C	Focus Driving Status (Absolute)	✓	✓							✓	✓	✓		✓					✓							
0xD19D	Zoom Driving Status (Absolute)	✓	✓							✓	✓	✓							✓							
0xD1B6	ISO Auto Range Limit (min)	✓	✓							✓	✓								✓							

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xD1B7	ISO Auto Range Limit (max)	✓	✓					✓	✓									✓								
0xD200	Flash Compensation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓		✓	✓	✓		
0xD201	Dynamic Range Optimizer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD203	Image Size	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD20D	Shutter Speed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD20E	Battery Level Indicator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD20F	Color Temperature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD210	Biaxial Fine-Tuning G-M Direction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD211	Aspect Ratio	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD213	Focus Indication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD214	Predicted Maximum File Size	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD215	Shooting File Info	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD217	AELock Indication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD218	Battery Remaining	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD21B	Picture Effect			✓		✓	✓	✓				✓						✓				✓	✓	✓		
0xD21C	Biaxial Fine-Tuning A-B Direction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD21D	Movie Recording State	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD21E	ISO Sensitivity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD21F	FELock Indication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓							
0xD221	Live View Status	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD222	Still Image Save Destination	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD223	Date/Time Setting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD22C	Focus Area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD231	Live View Display Effect	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓				
0xD235	Near/Far Enable Status	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓				
0xD239	Pixel Shift Shooting Mode	✓			✓	✓	✓				✓														✓	
0xD23A	Pixel Shift Shooting Number	✓			✓	✓	✓				✓														✓	
0xD23B	Pixel Shift Shooting Interval	✓			✓	✓	✓				✓														✓	
0xD23C	Pixel Shift Shooting Status	✓			✓	✓	✓				✓														✓	
0xD23D	Progress Number of Pixel Shift Shooting	✓		✓		✓	✓				✓	✓							✓			✓				
0xD23F	Picture Profile	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
0xD240	Creative Style			✓		✓	✓	✓				✓							✓			✓	✓	✓		
0xD241	File Format (Movie)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD242	Recording Setting (Movie)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD248	Media SLOT1 Status	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD249	Media SLOT1 Remaining number shots	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD24A	Media SLOT1 Remaining shooting time	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD24C	Focal position	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD24E	AWBLock Indication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓		
0xD24F	Interval REC (Still) Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓		
0xD250	Interval REC (Still) Status	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓		
0xD251	Device Overheating State	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD252	Still Image Quality	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD253	File Format (Still)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD254	Focus Magnifier Setting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓		✓		
0xD255	AF Tracking Sensitivity (Still)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓		✓		
0xD256	Media SLOT2 Status	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓									✓	✓

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xD257	Media SLOT2 Remaining number shots	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓										
0xD258	Media SLOT2 Remaining shooting time	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓									✓	✓
0xD25A	Position Key Setting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓			✓	✓	✓		
0xD25B	Zoom Operation Enable Status	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD25C	Zoom Scale	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD25D	Zoom Bar Information	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xD25E	Zoom Speed Range	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓						✓	✓
0xD25F	Zoom Setting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD260	Zoom Type Status	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD262	Wireless Flash Setting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓			✓	✓	✓		
0xD263	Red Eye Reduction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓			✓	✓	✓		
0xD264	Remote Control Restriction Status	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD267	Live View Area (x, y)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD268	Still Image Trans Size	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD269	RAW+J PC Save Image	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓		
0xD26A	Live View Image Quality	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓		
0xD26B	Custom WB Capturable Area (x, y)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD26C	Custom WB Capture Frame Size (x, y)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD26D	Custom WB Capture Standby Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD26E	Custom WB Capture Standby Cancel Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD26F	Custom WB Capture Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD270	Custom WB Execution State	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD271	Camera-Setting Save Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓		✓		
0xD272	Camera-Setting Read Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓		✓		
0xD273	Camera-Setting Save/Read State	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓		✓		
0xD274	FTP-Setting Save Operation	✓	✓	✓	✓			✓	✓		✓	✓		✓	✓	✓		✓				✓				
0xD275	FTP-Setting Read Operation	✓	✓	✓	✓			✓	✓		✓	✓		✓	✓	✓		✓				✓				
0xD276	FTP-Setting Save/Read State	✓	✓	✓	✓			✓	✓		✓	✓		✓	✓	✓		✓				✓				
0xD279	Media SLOT1 Format Enable Status	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓			
0xD27A	Media SLOT2 Format Enable Status	✓	✓	✓	✓	✓		✓	✓			✓			✓	✓										
0xD27B	Media Format Progress Rate	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓				
0xD27C	Select FTP Server	✓	✓	✓	✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓				
0xD27F	FTP Connection Status	✓	✓	✓	✓			✓	✓	✓	✓	✓		✓	✓	✓		✓				✓				
0xD280	FTP Connection Error Info	✓	✓	✓	✓			✓	✓	✓	✓	✓		✓	✓	✓		✓				✓				
0xD281	High Resolution SS Setting	✓	✓	✓	✓			✓		✓	✓		✓	✓		✓	✓		✓							
0xD282	High Resolution Shutter Speed	✓	✓	✓	✓			✓		✓	✓		✓	✓		✓	✓		✓							
0xD283	Function of Touch Operation	✓	✓	✓	✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓						
0xD284	Remote Touch Operation Enable Status	✓	✓	✓	✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓					✓	✓
0xD285	Cancel Remote Touch Operation Enable Status	✓	✓	✓	✓			✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓					✓	✓
0xD286	Recording Frame Rate Setting (Movie)	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓				✓	✓
0xD287	Compression File Format (Still)	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓							
0xD288	RAW File Type	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓		✓		✓							
0xD289	Media Slot1 RAW File Type	✓	✓		✓			✓	✓						✓											
0xD28A	Media Slot2 RAW File Type	✓	✓		✓			✓	✓						✓											
0xD28B	Media Slot1 File Format (Still)	✓	✓		✓			✓	✓						✓	✓										
0xD28C	Media Slot2 File Format (Still)	✓	✓		✓			✓	✓						✓	✓										
0xD28D	Media SLOT1 Image Quality	✓	✓		✓			✓	✓						✓	✓										

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xD28E	Media SLOT2 Image Quality	✓	✓		✓			✓	✓						✓	✓										
0xD28F	Media SLOT1 Image Size	✓	✓		✓			✓	✓						✓	✓										
0xD290	Media SLOT2 Image Size	✓	✓		✓			✓	✓						✓	✓										
0xD292	Media SLOT1 Quick Format Enable Status	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD293	Media SLOT2 Quick Format Enable Status	✓	✓		✓			✓	✓						✓	✓										
0xD294	Cancel Media Format Enable Status	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD295	Contents Transfer Enable Status	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			
0xD297	Save Zoom and Focus Position	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD298	Load Zoom and Focus Position	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD299	Remote Control Zoom Speed Type	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓							
0xD29A	APS-C or Full Switching Setting	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓				✓	✓					
0xD29B	APS-C or Full Switching Enable Status	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓					
0xD29C	Movie Rec Self timer		✓		✓			✓	✓		✓		✓	✓			✓		✓	✓	✓					
0xD29D	Movie Rec Self timer Count time		✓		✓			✓	✓		✓		✓	✓			✓		✓	✓	✓					
0xD29F	Movie Rec Self timer Continuous		✓		✓			✓	✓		✓		✓	✓			✓		✓	✓	✓					
0xD2A0	Movie Rec Self timer Status		✓		✓			✓	✓		✓		✓	✓			✓		✓	✓	✓					
0xD2A1	Focus Bracket Shot Num		✓		✓			✓	✓		✓		✓	✓			✓		✓							
0xD2A2	Focus Bracket Focus Range		✓		✓			✓	✓		✓		✓	✓			✓		✓							
0xD2A4	Bulb Timer Setting		✓		✓			✓	✓		✓		✓	✓												
0xD2A5	Bulb Exposure Time Setting		✓		✓			✓	✓		✓		✓	✓												
0xD2BA	Flicker Scan Status		✓		✓			✓	✓		✓		✓	✓			✓		✓							
0xD2BB	Flicker Scan Enable Status		✓		✓			✓	✓		✓		✓	✓			✓		✓							
0xE000	Movie Shooting Mode		✓					✓	✓					✓	✓	✓		✓							✓	✓
0xE001	Movie Shooting Mode Color Gamut		✓					✓	✓					✓	✓	✓		✓							✓	✓
0xE002	Movie Shooting Mode Target Display																								✓	✓
0xE004	Focus TouchSpot Status	✓	✓					✓	✓	✓				✓	✓	✓		✓							✓	✓
0xE005	Focus Tracking Status	✓	✓					✓	✓	✓				✓	✓	✓		✓							✓	✓
0xE006	Shutter ECS Setting																								✓	✓
0xE007	Shutter ECS Number																								✓	✓
0xE008	Shutter ECS Frequency																								✓	✓
0xE009	Depth of Field Adjustment Mode																								✓	✓
0xE00A	Depth of Field Adjustment Interlocking Mode State																								✓	✓
0xE00B	Recorder Clip Name														✓	✓									✓	✓
0xE00C	Recorder Control Main Setting																								✓	✓
0xE00D	Recorder Control Proxy Setting	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓						✓	✓
0xE00E	Recorder Start Main																								✓	✓
0xE00F	Recorder Start Proxy																								✓	✓
0xE010	Recorder Main Status																								✓	✓
0xE011	Recorder Proxy Status																								✓	✓
0xE012	Recorder Ext Raw Status																								✓	✓
0xE013	Recorder Save Destination																								✓	✓
0xE014	Button Assignment Assignable.1																								✓	✓
0xE015	Button Assignment Assignable.2																								✓	✓
0xE016	Button Assignment Assignable.3																								✓	✓
0xE017	Button Assignment Assignable.4																								✓	✓
0xE018	Button Assignment Assignable.5																								✓	✓
0xE019	Button Assignment Assignable.6																								✓	✓

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xE01A	Button Assignment Assignable.7																								✓	✓
0xE01B	Button Assignment Assignable.8																								✓	✓
0xE01C	Button Assignment Assignable.9																								✓	✓
0xE01D	Button Assignment Assignable.10																									✓
0xE01E	Button Assignment LensAssignable.1																								✓	✓
0xE01F	SceneFile Index																								✓	✓
0xE020	Current SceneFile Edited																								✓	✓
0xE021	Movie Play Button																								✓	✓
0xE022	Movie Play Pause Button																								✓	✓
0xE023	Movie Play Stop Button																								✓	✓
0xE024	Movie Forward Button																								✓	✓
0xE025	Movie Rewind Button																								✓	✓
0xE026	Movie Next Button																								✓	✓
0xE027	Movie Prev Button																								✓	✓
0xE028	Movie RecReview Button																								✓	✓
0xE029	Assignable Button 1																								✓	✓
0xE02A	Assignable Button 2																								✓	✓
0xE02B	Assignable Button 3																								✓	✓
0xE02C	Assignable Button 4																								✓	✓
0xE02D	Assignable Button 5																								✓	✓
0xE02E	Assignable Button 6																								✓	✓
0xE02F	Assignable Button 7																								✓	✓
0xE030	Assignable Button 8																								✓	✓
0xE031	Assignable Button 9																								✓	✓
0xE032	Assignable Button 10																									✓
0xE033	LensAssignable Button 1																								✓	✓
0xE035	Assignable Button Indicator 1																								✓	✓
0xE036	Assignable Button Indicator 2																								✓	✓
0xE037	Assignable Button Indicator 3																								✓	✓
0xE038	Assignable Button Indicator 4																								✓	✓
0xE039	Assignable Button Indicator 5																								✓	✓
0xE03A	Assignable Button Indicator 6																								✓	✓
0xE03B	Assignable Button Indicator 7																								✓	✓
0xE03C	Assignable Button Indicator 8																								✓	✓
0xE03D	Assignable Button Indicator 9																								✓	✓
0xE03E	Assignable Button Indicator 10																									✓
0xE03F	LensAssignable Button Indicator 1																								✓	✓
0xE042	Focus Position Setting	✓	✓						✓	✓	✓			✓					✓							
0xE043	Focus Position Current Value	✓	✓						✓	✓	✓			✓					✓							
0xE050	Audio Input Master Level	✓	✓		✓			✓	✓	✓	✓	✓	✓		✓	✓	✓		✓							
0xE059	Audio Output HDMI Monitor CH	✓	✓					✓	✓	✓	✓	✓							✓							
0xE061	Movie Rec Button (Toggle) Enable Status																								✓	✓
0xE080	Image Stabilization Level (Movie)																									✓
0xE082	Movie Trimming Transfer Support Information																								✓	✓
0xE083	Function of Remote Touch Operation																								✓	✓
0xE084	AF Assist	✓	✓						✓	✓	✓		✓		✓	✓			✓						✓	✓
0xE086	Lens Information Enable Status	✓	✓						✓	✓	✓		✓		✓	✓			✓						✓	✓

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xE088	Follow Focus Position Setting	✓	✓						✓	✓	✓			✓	✓	✓			✓						✓	✓
0xE089	Follow Focus Position Current Value	✓	✓						✓	✓	✓			✓	✓	✓			✓						✓	✓
0xE08D	Button Assignment Assignable.11																									✓
0xE08E	Assignable Button 11																									✓
0xE08F	Assignable Button Indicator 11																									✓

Controls

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0xD2C1	Shutter Half-Release (S1) Button	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD2C2	Shutter Release (S2) Button	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD2C3	AEL Button	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD2C8	Movie Rec Button (Hold)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
0xD2C9	FEL Button	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓				✓	✓	✓			
0xD2D1	Near/Far	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD2D9	AWBL Button	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
0xD2DC	AF Area Position (x, y)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD2DD	Zoom Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
0xD2DF	Custom WB Capture Standby	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD2E0	Custom WB Capture Standby Cancel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD2E1	Custom WB Capture	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
0xD2E2	Selected Media Format	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓				✓		✓				✓			
0xD2E4	Remote Touch Operation (x, y)	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
0xD2E5	Cancel Remote Touch Operation	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓				✓	✓
0xD2E6	S1 & S2 Button	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓				
0xD2E7	Cancel Media Format	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓				✓	✓	✓					
0xD2E9	Save Zoom and Focus Position	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓			✓	✓	✓					
0xD2EA	Load Zoom and Focus Position	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓			✓	✓	✓					
0xD2EB	APS-C or Full Switching	✓	✓		✓			✓	✓	✓	✓	✓		✓	✓	✓			✓		✓					
0xD2EC	Color Temperature Step																								✓	✓
0xD2ED	White Balance Tint Step																								✓	✓
0xD2EF	Focus Operation																								✓	✓
0xD2F1	Flicker Scan		✓		✓				✓	✓			✓	✓		✓		✓								
0xD2F3	REC Settings Reset	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓					
0xD300	Pixel Mapping	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓							
0xD301	Power Off	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
0xD302	Time Code Preset Reset	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓							
0xD303	User Bit Preset Reset	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓							
0xD304	Sensor Cleaning	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓				✓								
0xD305	Reset Picture Profile	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓							
0xD306	Reset Creative Look	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓							
0xF000	Shutter ECS Number Step																								✓	✓
0xF001	Movie Rec Button (Toggle)																								✓	✓
0xF002	Cancel Focus Position	✓	✓						✓	✓	✓			✓					✓							

Events

Code	Name	ILCE-1	ILCE-9M3	ILCE-9M2	ILCE-7RM5	ILCE-7RM4A	ILCE-7RM4	ILCE-7M4	ILCE-7SM3	ILCE-7CM2	ILCE-7CR	ILCE-7C	ILCE-6700	ILX-LR1	ILME-FX3	ILME-FX30	ZV-E1	ZV-E10	ZV-E10M2	ZV-1M2	ZV-1F	ZV-1	DSC-RX0M2	DSC-RX100M7	ILME-FX6	MPC-2610
0x4004	StoreAdded	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
0x4005	StoreRemoved	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
0xC201	SDIE_ObjectAdded	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xC202	SDIE_ObjectRemoved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xC203	SDIE_DevicePropChanged	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xC205	SDIE_DateTimeSettingResult	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xC206	SDIE_CapturedEvent	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xC208	SDIE_CWBCapturedResult	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
0xC209	SDIE_CameraSettingReadResult	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
0xC20A	SDIE_FTPSettingReadResult	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
0xC20B	SDIE_MediaFormatResult	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
0xC20C	SDIE_FTPDisplayNameListChanged	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
0xC20D	SDIE_ContentsTransferEvent	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
0xC20E	SDIE_ZoomandFocusPositionEvent	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓					✓	✓
0xC20F	SDIE_DisplayListChangedEvent	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓					✓	✓
0xC210	SDIE_MediaProfileChanged	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓					✓	✓
0xC211	SDIE_ControlJobListEvent	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓					✓	✓
0xC214	SDIE_ControlUploadDataResult	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓					✓	✓
0xC218	SDIE_FocusPositionResult	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓					✓	✓
0xC21B	SDIE_LensInformationChanged	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
0xC222	SDIE_OperationResults	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓									
0xC223	SDIE_AFStatus	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓								✓	✓
0xC224	SDIE_MovieRecOperationResults	✓	✓		✓			✓	✓	✓	✓		✓	✓	✓	✓	✓								✓	✓

Operations

This chapter provides the detailed operation specification of Camera Control PTP.

GetDeviceInfo

Summary

Same as PIMA 15740 (operation code is `0x1001`.)

Description

same as PIMA 15740

OpenSession

Summary

Same as PIMA 15740 (operation code is `0x1002`.)

Description

same as PIMA 15740

CloseSession

Summary

Same as PIMA 15740 (operation code is `0x1003`.)

Description

same as PIMA 15740

GetStorageIDs

Summary

Same as PIMA 15740 (operation code is `0x1004`.)

Description

same as PIMA 15740

Data

StorageID

The Initiator should send this command with the following values:

Value	Description
0x00010001	Storage Media 1
0x00020001	Storage Media 2
0x00F10001	Virtual Media 1

Note

If Virtual Media is enabled, the host should receive content as a priority in the Virtual Media.

GetStorageInfo

Summary

Same as PIMA 15740 (operation code is `0x1005`.)

Description

same as PIMA 15740

GetNumObjects

Summary

Same as PIMA 15740 (operation code is `0x1006`.)

Description

same as PIMA 15740

Note

Constraint: 0xFFFFFFFF (ALL) as StorageID is not supported. Use the values obtained from GetStorageIDs for StorageID.

GetObjectHandles

Summary

Same as PIMA 15740 (operation code is `0x1007`.)

Description

same as PIMA 15740

Note

Constraint: 0xFFFFFFFF (ALL) as StorageID is not supported. Use the values obtained from GetStorageIDs for StorageID.

GetObjectInfo

Summary
Same as PIMA 15740 (operation code is `0x1008`.)

Description
Response Code includes VendorResponseCodes, Password Length Over Max, and Password Includes Invalid Character.
The others are same as PIMA 15740

Parameters

ObjectHandle
- Use the ObjectHandle `0xFFFFC001` to obtain information about a captured image.
- Use the ObjectHandle `0xFFFFC002` to obtain information about a live-view image.
  - The Initiator should obtain the information of the ObjectHandle `0xFFFFC002` only once for live-view performance.
  - If the current value of the device property Live View Status is enabled, the ObjectCompressedSize will be the estimated worst size (not a real live-view image size).
  - If the current value of the device property Live View Status is not enabled, the Responder will stall and return the response Invalid ObjectHandle (`0x2009`).
- Use the ObjectHandle `0xFFFFC004` to obtain information about a camera-setting file.
  - This can be used only when the current value of the device property Camera-Setting Save Operation is enabled.
- Use the ObjectHandle `0xFFFFC005` to obtain information about an FTP-setting file.
  - This can be used only when the current value of the device property FTP-Setting Save Operation is enabled.

GetObject

Summary
Same as PIMA 15740 (operation code is `0x1009`.)

Description
same as PIMA 15740

Parameters

ObjectHandle
- Use the ObjectHandle `0xFFFFC001` to obtain a captured image.
- Use the ObjectHandle `0xFFFFC002` to obtain a live-view image.
  - If the current value of the device property Live View Status is enabled, the Initiator can get the following live-view dataset.
  - If the current value of the device property Live View Status is not enabled, the Responder will stall and return the response Invalid ObjectHandle (`0x2009`).
- Use the ObjectHandle `0xFFFFC003` to obtain a shot image and ObjectInfo dataset.

- Use the ObjectHandle `0xFFFFC004` to obtain a camera-setting file.
  - This can be used only when the current value of the device property Camera-Setting Save Operation is enabled.
- Use the ObjectHandle `0xFFFFC005` to obtain an FTP-setting file.
  - This can be used only when the current value of the device property FTP-Setting Save Operation is enabled.

LiveView Dataset (ObjectHandle `0xFFFFC002`)

Field	Field Order	Size (Bytes)	Datatype
Offset to Live View Image	1	4	UNIT32
Live View Image Size	2	4	UINT32
Offset to Focal Frame Info	3	4	UINT32
Focal Frame Info Size	4	4	UINT32
Reserved	5	Variable	UINT8
Live View Image	6	Live View Image Size	(JPEG data)
Focal Frame Info	7	Focal Frame Info Size	FocalFrameInfo

Shot Image and ObjectInfo Dataset (ObjectHandle `0xFFFFC0003`)

Field	Field Order	Size (Bytes)	Datatype
Offset to Shot Image	1	4	UINT32
Shot Image Size	2	4	UINT32
Offset to ObjectInfo	3	4	UINT32
ObjectInfo Size	4	4	UINT32
Reserved	5	Variable	N/A
Shot Image	6	Live View Image Size	JPEG Data
ObjectInfo Dataset	7	Variable	ObjectInfo Dataset

Note

The maximum number of live view fps (frames per second) is 30. Therefore, the Initiator should not use this operation over two times within 33 msec. If the Initiator gets the offset to the live-view image, the live-view image size will be zero in the data phase, and `Access_Denied` (`0x200F`) in the response phase, the host should retry this command to obtain the next live view image.

How to Get a Camera-Setting File
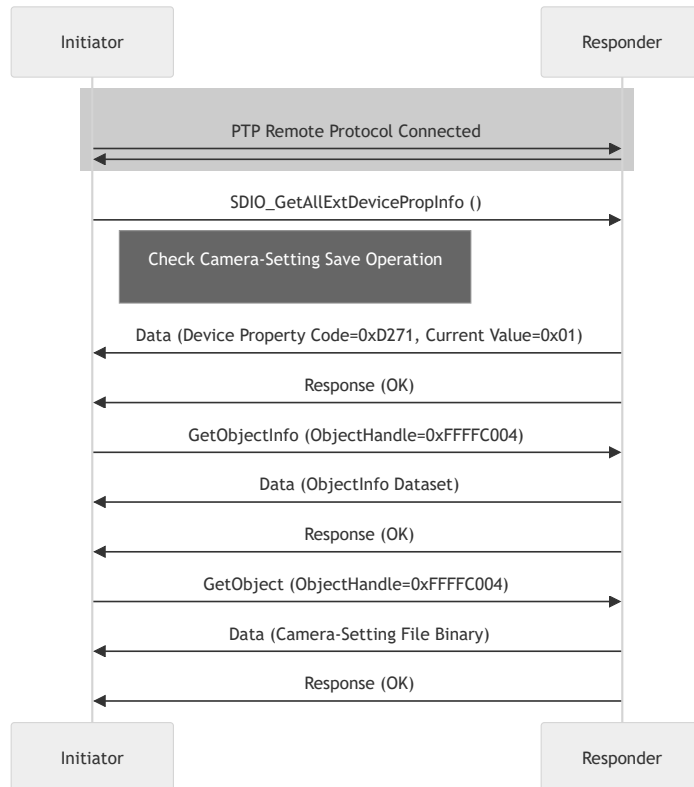
GetThumb

Summary
Same as PIMA 15740 (operation code is `0x100A`.)

Description
same as PIMA 15740

Responses
The camera returns Thumbnail_Not_Present when the Host sends this command because the camera does not create any thumbnails for the remote protocol.
Same as that of PIMA 15740 for other errors.
It makes no sense to send this command.

SendObject

Summary
same as PIMA 15740

Description

Field	Value
Operation Code	same as PIMA 15740
Operation Parameter 1	ObjectHandle (This parameter is the Vendor Extension.)
Operation Parameter 2	None
Operation Parameter 3	None
Data	DataObject
Data Direction	I->R
Response Code	same as PIMA 15740
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None

Note

- Use the ObjectHandle `0xFFFFC004` to send a camera-setting file.
  - This can be used only when the current value of the device property [Camera-Setting Read Operation (`0xD2xx`) is Enabled (0x01).
- The host should send this command with ObjectHandle=0xFFFFC005 (fixed value) to send an FTP-Setting File.
  - 0xFFFFC005 can be used only when the current value of FTP-Setting Read Operation (`0xD2xx`) is Enabled (0x01).
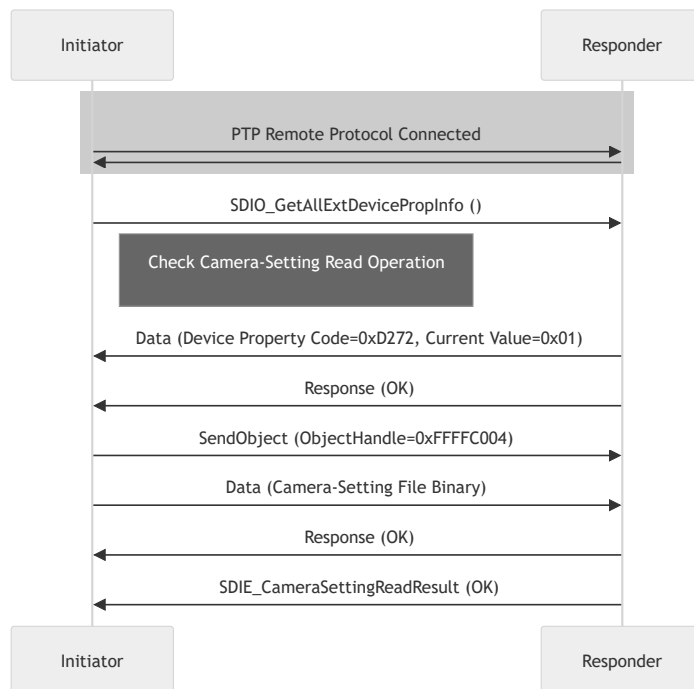
GetPartialObject

Summary

Same as PIMA 15740 (operation code is `0x101B`.)

Description

same as PIMA 15740

Note

It is highly recommended to use GetObject instead of this command for transfer performance.

GetObjectPropValue

Summary

Same as Media Transfer Protocol v.1.1 Spec (operation code is 0x9803.)

Description

same as Media Transfer Protocol v.1.1 Spec

GetObjectPropList

Summary

Same as Media Transfer Protocol v.1.1 Spec (operation code is 0x9805.)

Description

same as Media Transfer Protocol v.1.1 Spec

SDIO_Connect

Summary

This is for the authentication handshake.

Description

Field	Value
Operation Code	0x9201
Operation Parameter 1	Phase Type
Operation Parameter 2	KeyCode1
Operation Parameter 3	KeyCode2
Operation Parameter 4	None

Field	Value
Operation Parameter 5	None
Data	UINT64 Value
Data Direction	R->I
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported, Authentication_Failed
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Note

The Initiator should send this command with both `KeyCode1` and `KeyCode2`, which are `0x00000000`.

SDIO_GetExtDeviceInfo

Summary

Get the protocol version and the supported properties of the connected device.

Description

Field	Value
Operation Code	0x9202
Operation Parameter 1	Initiator Version
Operation Parameter 2	Flag of Device Property Option
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDIExtDeviceInfo Dataset
Data Direction	R->I

Field	Value
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported, Authentication_Failed
Response Parameter 1	Vendor Code Version
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Data

SDIExtDeviceInfo Dataset

Field	Field Order	Size (Bytes)	Datatype
SDIExtensionVersion	1	2	UINT16
SDIDevicePropCode Array	2	Variable	UINT16 Array
SDIControlCode Array	3	Variable	UINT16 Array

Note

The Initiator Version and SDIExtensionVersion are 0x012C (3.00) in this version. "3" indicates the major version, and "00" indicates the minor version.
The camera returns Authentication_Failed if the major version of the connected Initiator is less than the major version.
Flag of Device Property Option (0x00000001: enable extended SDIO Device Property / SDIControlCode)

SDIO_SetExtDevicePropValue

Summary

Set a DevicePropValue for a device property.

Description

Field	Value
Operation Code	0x9205
Operation Parameter 1	DevicePropCode
Operation Parameter 2	Flag of Device Property Option

Field	Value
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	DevicePropValue
Data Direction	I->R
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Note

Refer to the Device Properties for details.

Flag of Device Property Option:

- 0x00000001: Enables extended SDIO Device Property / SDIControlCode

SDIO_ControlDevice

Summary

Set the SDIControl value for the SDIControlCode.

Description

Field	Value
Operation Code	0x9207
Operation Parameter 1	SDIControlCode
Operation Parameter 2	Flag of Device Property Option
Operation Parameter 3	None

Field	Value
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDIControl Value
Data Direction	I->R
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Note

The camera returns OK, except when the PTP/MTP Protocol fails. For example, when the Initiator sends S2 ON but the camera fails to release a shutter, the response of this command will be OK.

Refer to the Controls for details.

Flag of Device Property Option:

- 0x00000001: Enables extended SDIO Device Property / SDIControlCode

SDIO_GetAllExtDevicePropInfo

Summary

Obtain all support DevicePropDescs at one time.
The host will send this operation at regular intervals to obtain the latest (current) camera settings.

Description

Field	Value
Operation Code	0x9209
Operation Parameter 1	Flag of get only difference data
Operation Parameter 2	Flag of Device Property Option

Field	Value
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDIDevicePropInfo Dataset Array
Data Direction	R->I
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Data

SDIExtDevicePropInfo Dataset

Field	Field Order	Size (Bytes)	Datatype
Device Property Code	1	2	UINT16
DataType	2	2	UINT16
GetSet	3	1	UINT8
IsEnabled	4	1	UINT8
Factory Default Value	5	Variable	Any
Current Value	6	Variable	Any
Form Flag	7	1	UINT8

The GetSet field is defined as the following:

- 0x00: The Initiator cannot set the value
- 0x01: The Initiator can set the value

The IsEnabled field is defined as the following (for the Initiator UI):

- 0x00: False (means invalid, greyed-out, no indication for the button, combo box, some values like shutter speed, F-number)

- 0x01: True (means valid, indication for the button, combo box, some values like shutter speed, F-number)
- 0x02: DispOnly (means only indication; cannot change the value)

If IsEnabled is "False", the Factory Default Value and Current Value are not guaranteed.

If Form Flag is `0x02` (Enumeration), the Dataset will be the following example:

Field	Field Order	Size (Bytes)	Datatype
Device Property Code	1	2	UINT16
DataType	2	2	UINT16
GetSet	3	1	UINT8
IsEnabled	4	1	UINT8
Factory Default Value	5	Variable	Any
Current Value	6	Variable	Any
Form Flag	7	1	UINT8
Num of Enum lists (Set)	8	2	UINT16
Enum value (Set)[0]	9	Depends on DataType	-
…	…	Depends on DataType	-
Enum value (Set) [Num of Enum lists (Set) - 1]	N	Depends on DataType	-
Num of Enum lists(Get/Set)	N+1	2	UINT16
Enum value (Get/Set)[0]	N+2	Depends on DataType	-
…	…	Depends on DataType	-
Enum value (Get/Set) [Num of Enum lists (Get/Set) - 1]	O	Depends on DataType	-

SDIDevicePropInfo Dataset Array

Field	Field Order	Size (Bytes)	Datatype
Num of Elements	1	8	UINT64
SDIDevicePropInfo Dataset[0]	2	variable	UINT16
…	…	variable	UINT8
SDIDevicePropInfo Dataset [Num of Elements - 1]	N	variable	UINT8

Note

Flag of get only difference data:
0x00000000: Gets all data
0x00000001: Gets only difference data

Flag of Device Property Option:
0x00000001: Enables extended SDIO Device Property / SDIControlCode

SDIO_SetFTPSettingFilePassword

Summary
Set the password for getting/setting a FTP-Setting File.

Description

Field	Value
Operation Code	0x920F
Operation Parameter 1	DataBinaryType
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	Password
Data Direction	I->R
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported, Authentication_Failed
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Parameters

DataBinaryType
The host should send this command with one of the following values.

Value	Description
0x00000001	set password as UTF-8 string

Data

Password

Field	Field Order	Size (Bytes)	Datatype
Password binary	1	variable	UINT8 Array

Note

The password must be a UTF-8 string satisfying the following conditions.

- At most 33 words (including ed null terminator)
- each word is within [A-Z], [a-z], [0-9]

If the user has not set the password, please set an empty string (0x00).

SDIO_OpenSession

Summary

Open Session with Function Mode.

Description

Field	Value
Operation Code	0x9210
Operation Parameter 1	SessionID
Operation Parameter 2	Function Mode
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	None
Data Direction	N/A
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None

Field	Value
Response Parameter 4	None
Response Parameter 5	None

Parameters

Function Mode

The Initiator should send this command with one of the following values:

Value	Description
0x00000000	Remote Control Mode
0x00000001	Content Transfer Mode

SDIO_GetPartialLargeObject

Summary

Get partial object from the device.

Description

Field	Value
Operation Code	0x9211
Operation Parameter 1	ObjectHandle
Operation Parameter 2	Offset in bytes (lower 32bits)
Operation Parameter 3	Offset in bytes (upper 32bits)
Operation Parameter 4	Maximum number of bytes to obtain
Operation Parameter 5	None
Data	Object Binary Data
Data Direction	R->I
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	Actual number of bytes sent
Response Parameter 2	None

Field	Value
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Note

Same as GetPartialObject on PIMA 15740.

But, "Maximum number of bytes to obtain" does not support 0xFFFFFFFF.

SDIO_SetContentsTransferMode

Summary

Turn on/off content transfer mode.

Description

Field	Value
Operation Code	0x9212
Operation Parameter 1	Contents Select Type
Operation Parameter 2	Transfer Mode
Operation Parameter 3	Additional Information
Operation Parameter 4	None
Operation Parameter 5	None
Data	None
Data Direction	N/A
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None

Field	Value
Response Parameter 5	None

Parameters

Contents Select Type

The Initiator should send this command with one of the following values:

Value	Description
0x00000000	Invalid
0x00000001	Select on the Camera
0x00000002	Select on the Remote Device

Transfer Mode

The Initiator should send this command with one of the following values:

Value	Description
0x00000000	Off
0x00000001	On

Additional Information

The Initiator should send this command with one of the following values:

Value	Description
0x00000000	None
0x00000001	Executed Cancel

Note

This does not support multiple storages.

SDIO_GetDisplayStringList

Summary

Get Display String List.

Description

Field	Value
Operation Code	0x9215
Operation Parameter 1	Display String List Type

Field	Value
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDIDisplayStringList Dataset
Data Direction	R->I
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported, Authentication_Failed
Response Parameter 1	Display String List Version
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Parameters

Display String List Type

The Initiator should send this command with one of the following values:

Value	Description
0x00000000	All DisplayList
0x00000001	BaseLook.AELevelOffset.ExposureValueList
0x00000002	BaseLook.Input.DisplayList
0x00000003	BaseLook.Name.DisplayList
0x00000004	BaseLook.Output.DisplayList
0x00000005	SceneFile.Name.DisplayList
0x00000006	ShootingMode.Cinema.ColorGamut.DisplayList
0x00000007	ShootingMode.TargetDisplay.DisplayList
0x00000008	Camera.Gain.BaseISO.DisplayList
0x00000009	Video.EIGain.DisplayList

Value	Description
0x0000000A	Button.Assign.DisplayList
0x0000000B	Button.Assign.ShortDisplayList
0x0000000C	FTP.ServerName.DisplayList
0x0000000D	FTP.UpLoadDirectory.DisplayList
0x0000000E	FTP.JobStatus.DisplayList
0x0000000F	Exposure.Index.Preset1.DisplayList
0x00000010	Movie.Transfer.Extension.Value.Information.DisplayList
0x00000011	Movie.Transfer.VideoCodecValue.Information.DisplayList
0x00000012	Movie.Transfer.FrameRate.Information.DisplayList
0x00000013	Creative Look Image Style DisplayList
0x00000014	IPTC MetaData DisplayList
0x00000015	Subject Recognition AF DisplayList
0x00000016	BaseLook.MetaRecordSupport.DisplayList
0x00000017	Select.REC.Folder.Name.DisplayList

Data

SDIDisplayStringList is String List Dataset.

SDIDisplayStringList Dataset

Field	Field Order	Size (Bytes)	Datatype
Offset to DisplayStringList	1	4	UNIT32
DisplayStringList Size	2	4	UNIT32
Reserved	3	Variable	UINT8 Array
DisplayStringList Binary	4	Variable	UINT8 Array

Note

The Display String List updates will be notified by SDIE_DisplayStringListChangedEvent.
It provides only a list of supported features.

SDIO_GetVenderCodeVersion

Summary

Get vender code version.

Description

Field	Value
Operation Code	0x9216
Operation Parameter 1	None

Field	Value
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	None
Data Direction	N/A
Response Code	OK, Operation_Not_Supported, Invalid_TransactionID, Device_Busy
Response Parameter 1	Vender code version
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Parameters

Vender code version

Value	Description
variable	version (100x value)

e.g.) 0x0000012C (3.00)

SDIO_GetFTPJobList

Summary

Get the FTP Job List.

Description

Field	Value
Operation Code	0x9217
Operation Parameter 1	Option Flag
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None

Field	Value
Data	SDIOGetFTPJobList Dataset
Data Direction	R->I
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Parameters

Option Flag

The host should send this command with one of the following values.

Value	Description
0x00000000	get all list

Data

SDIOGetFTPJobList is String List Dataset

SDIOGetFTPJobList Dataset

Field	Field Order	Size (Bytes)	Datatype
Offset to FTPJobList	1	4	UNIT32
FTPJobList Size	2	4	UNIT32
Reserved	3	Variable	UINT8
FTPJobList Binary	4	FTPJobList Size	UINT8

Note

If the ID obtained with "Sync ID for FTP Job List" does not match the FTPJobList held on Remote, retrieve the JobList with this command. If "Necessity of ALL FTP Job List" is enabled, retrieve the entire list as differences cannot be guaranteed.

SDIO_ControlFTPJobList

Summary

Control the FTP Job List.

Description

Field	Value
Operation Code	0x9218
Operation Parameter 1	ControlType
Operation Parameter 2	TargetType
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDIOControlFTPJobList Dataset
Data Direction	I->R
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Parameters

ControlType

The host should send this command with one of the following values.

Value	Description
0x00000001	Add
0x00000002	Delete

Value	Description
0x00000003	Suspend
0x00000004	Resume

TargetType

If the control type is delete, the host sends a command with one of the following values.

Value	Description
0x00000001	Individual
0x00000002	All
0x00000003	Finished All

Data

SDIOControlFTPJobList is String List Dataset

SDIOControlFTPJobList Dataset

Field	Field Order	Size (Bytes)	Datatype
Offset to FTPJobList	1	4	UNIT32
FTPJobList Size	2	4	UNIT32
Reserved	3	Variable	UINT8
FTPJobList Binary	4	FTPJobList Size	UINT8

SDIO_UploadData

Summary

Upload data to Camera temporary storage.

Description

Field	Value
Operation Code	0x921A
Operation Parameter 1	Type of data
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None

Field	Value
Operation Parameter 5	None
Data	UploadDataset
Data Direction	I->R
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported, Temporary_Storage_Full, Feature version Invalid Value, Invalid Parameter
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Parameters

Type of data

The host should send this command with one of the following values.

Value	Description
0x00020001	CubeFile

Data

Upload Dataset

SDIUploadDataset

Field	Field Order	Size (Bytes)	Datatype
Version	1	4	UNIT32
Offset to HeaderInfo	2	4	UNIT32
HeaderInfo Size	3	4	UINT8
Offset to FileBinary	4	4	UINT8
FileBinary Size	5	4	UINT8
Reserverd	6	variable	UINT8
HeaderInfo Dataset	7	variable	UINT8
File Binary	8	variable	UINT8

HeaderInfo Dataset

Field	Field Order	Size (Bytes)	Datatype
FileName	1	variable	UINT8 Array

Note

Set Value of "Upload Dataset Version (0xD057)" to "Version" of SDIUploadDataset field.

For Type of Data (Cubefile) This can be set only when the device property BaseLookImport Command Version is Display Only (0x02).

How to Set a CubeFile
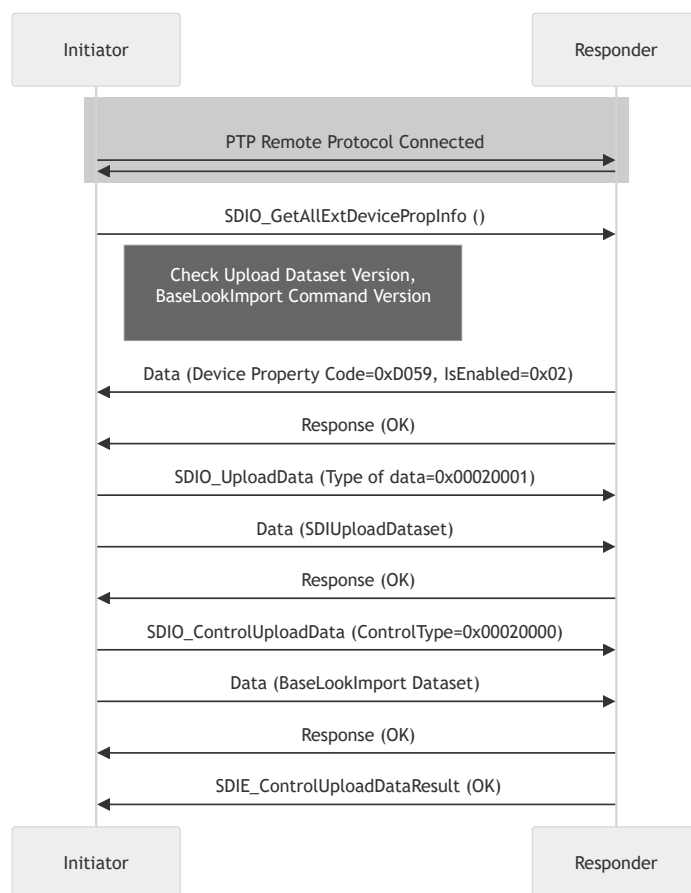
SDIO_ControlUploadData

Summary

Control the Upload Data.

Description

Field	Value
Operation Code	0x921B

Field	Value
Operation Parameter 1	ControlType
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	ControlUploadDataset
Data Direction	I->R
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported, Temporary_Storage_Full, Feature version Invalid Value
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Parameters

ControlType

The host should send this command with one of the following values.

Value	Description
0x00020000	BaseLookImport

Data

Dataset when ControlType is BaseLookImport. ControlUploadDataset

BaseLookImport Dataset

Field	Field Order	Size (Bytes)	Datatype
Version	1	4	UNIT32
BaseLook Index	2	2	UINT16

BaseLook Index

Value	Description
0x0001	User1
0x0002	User2
…	…
0x0010	User16

Note

Set the index value of the import destination (User1 to User16). ControlType (BaseLookImport) can be set only when the device property BaseLookImport Command Version is Display Only (`0x02`). Set Value of BaseLookImport Command Version to `Version` of BaseLookImport Dataset field.

SDIO_GetFTPSettingList

Summary

Get FTP Setting List.

Description

Field	Value
Operation Code	0x921F
Operation Parameter 1	None
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDIFTPSettingList Dataset
Data Direction	R->I
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None

Field	Value
Response Parameter 4	None
Response Parameter 5	None

Data

SDIFTPSettingList is String List Dataset

SDIFTPSettingList Dataset

Field	Field Order	Size (Bytes)	Datatype
Offset to FTPSettingList	1	4	UNIT32
FTPSettingList Size	2	4	UNIT32
Reserved	3	variable	UINT8
FTPSettingList Binary	4	FTPSettingList Size	UINT8

Note

SDIO_GetFTPSettingList can be obtained only when the device property FTPSettingList Operation Enable Status is Enabled (0x01).

SDIO_SetFTPSettingList

Summary

Set FTP Setting List.

Description

Field	Value
Operation Code	0x9220
Operation Parameter 1	None
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDIFTPSettingList Dataset
Data Direction	I->R

Field	Value
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Data

SDIFTPSettingList is String List Dataset

SDIFTPSettingList Dataset

Field	Field Order	Size (Bytes)	Datatype
Offset to FTPSettingList	1	4	UNIT32
FTPSettingList Size	2	4	UNIT32
Reserved	3	variable	UINT8
FTPSettingList Binary	4	FTPSettingList Size	UINT8

Note

`SDIO_SetFTPSettingList` can be obtained only when the device property FTPSettingList Operation Enable Status is Enabled (`0x01`).

SDIO_GetLensInformation

Summary

Get Lens Information.

Description

Field	Value
Operation Code	0x9223
Operation Parameter 1	Type of data
Operation Parameter 2	None

Field	Value
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDILensInformation Dataset
Data Direction	R->I
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Parameters

Type of data

The Initiator should send this command with one of the following values:

Value	Description
0x00000000	Invalid
0x00000001	Follow FocusPositionConversionTable (feet)
0x00000002	Follow FocusPositionConversionTable (meter)

Data

LensInformation Dataset

Field	Field Order	Size (Bytes)	Datatype
Offset to LensInformation	1	4	UNIT32
LensInformation Size	2	4	UINT32
Reserved	3	Variable	UINT8
LensInformation Binary	4	FTPSettingList Size	UINT8

Note

`SDIO_GetLensInformation` can be obtained only when the device property Lens Information Enable Status is Enabled (`0x01`).

SDIO_OperationResultsSupported

Summary

Get the Operation Results Supported.

Description

Field	Value
Operation Code	0x922F
Operation Parameter 1	None
Operation Parameter 2	None
Operation Parameter 3	None
Operation Parameter 4	None
Operation Parameter 5	None
Data	SDIO_OperationResultsSupportedList Data
Data Direction	R->I
Response Code	OK, Operation_Not_Supported, Session_Not_Open, Invalid_TransactionID, Device_Busy, Parameter_Not_Supported, Authentication_Failed
Response Parameter 1	None
Response Parameter 2	None
Response Parameter 3	None
Response Parameter 4	None
Response Parameter 5	None

Data

OperationResultsSupportedList Dataset

Field	Field Order	Size (Bytes)	Datatype
Operation Results Supported List	1	variable	UINT32 Array

Note

The list of ResultCode to be notified by SDIE_OperationResults is stored in the Operation Results Supported List.

Device Properties

This chapter provides the detailed device property specification of Camera Control PTP.

White Balance

Summary

Get/Set the white balance.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0x5005
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Manual
0x0002	AWB
0x0003	One-push Automatic
0x0004	Daylight
0x0005	Fluorescent
0x0006	Tungsten (Incandescent)
0x0007	Flash
0x8001	Fluor.: Warm White (-1)
0x8002	Fluor.: Cool White (0)
0x8003	Fluor.: Day White (+1)
0x8004	Fluor.: Daylight White (+2)
0x8010	Cloudy
0x8011	Shade
0x8012	C.Temp.
0x8020	Custom 1

Value	Description
0x8021	Custom 2
0x8022	Custom 3
0x8023	Custom
0x8030	Underwater Auto

F-Number

Summary

Get/Set the aperture value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0x5007
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0xFFFF
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0064	1
0x006E	1.1
0x0078	1.2
0x0082	1.3
0x008C	1.4
0x00A0	1.6
0x00AA	1.7
0x00B4	1.8
0x00C8	2
0x00DC	2.2
0x00F0	2.4
0x00FA	2.5
0x0118	2.8
0x0136	3.1

Value	Description
0x0140	3.2
0x0154	3.4
0x015E	3.5
0x0172	3.7
0x0190	4
0x01B8	4.4
0x01C2	4.5
0x01E0	4.8
0x01F4	5
0x0208	5.2
0x0230	5.6
0x026C	6.2
0x0276	6.3
0x029E	6.7
0x02A8	6.8
0x02C6	7.1
0x02DA	7.3
0x0320	8
0x0366	8.7
0x0384	9
0x03B6	9.5
0x03C0	9.6
0x03E8	10
0x044C	11
0x0514	13
0x0578	14
0x0640	16
0x0708	18
0x076C	19
0x07D0	20
0x0898	22
0x09C4	25
0x0A8C	27
0x0B54	29
0x0C80	32

Value	Description
0x0E10	36
0x0ED8	38
0x0FA0	40
0x1194	45
0x13EC	51
0x1518	54
0x1644	57
0x1900	64
0x1C20	72
0x1DB0	76
0x1FA4	81
0x2328	90
0xFFFD	Iris Close
0xFFFE	--
0xFFFF	nothing to display

Focus Mode

Summary

Get/Set the focus mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0x500A
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Manual(MF)
0x0002	Automatic(AF_S)
0x0003	Automatic Macro(close-up)

Value	Description
0x8004	Continuous AF(AF_C)
0x8005	Auto(AF_A)
0x8006	Direct Manual Focus(DMF)
0x8007	Manual Focus Reverse(MF_R)
0x8008	(AF-D)
0x8009	Preset Focus(PF)

Exposure Metering Mode

Summary

Get/Set the exposure metering mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0x500B
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Average
0x0002	Center-weighted-average
0x0003	Multi-spot
0x0004	Center-spot
0x8001	Multi
0x8002	Center-weighted
0x8003	Entire Screen Avg.
0x8004	Spot : Standard
0x8005	Spot : Large
0x8006	Highlight
0x8011	Standard
0x8012	Backlight

Value	Description
0x8013	Spotlight

Flash Mode

Summary

Get/Set the flash mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0x500C
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Auto flash
0x0002	Flash off
0x0003	Fill flash
0x0004	Red eye auto
0x0005	Red eye fill
0x0006	External Sync
0x8001	Slow Sync
0x8003	Rear Sync
0x8004	Wireless
0x8021	HSS auto
0x8022	HSS fill
0x8024	HSS WL
0x8031	Slow Sync Red Eye On
0x8032	Slow Sync Red Eye Off
0x8041	Slow Sync Wireless
0x8042	Rear Sync Wireless

Exposure Program Mode

Summary

Get/Set the exposure program mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0x500E
Datatype	2	2	UINT16	0x006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00000001	Manual (M)
0x00010002	Automatic (P)
0x00020003	Aperture Priority (A)
0x00030004	Shutter Priority (S)
0x00000005	Program Creative (Greater Depth of Field)
0x00000006	Program Action (Faster Shutter Speed)
0x00000007	Portrait
0x00048000	Auto
0x00048001	Auto+
0x00008008	P_A
0x00008009	P_S
0x00058011	Sports Action
0x00058012	Sunset
0x00058013	Night Scene
0x00058014	Landscape
0x00058015	Macro
0x00058016	Hand-held Twilight
0x00058017	Night Portrait
0x00058018	Anti Motion Blur
0x00058019	Pet

Value	Description
0x0005801A	Gourmet
0x0005801B	Fireworks
0x0005801C	High Sensitivity
0x00008020	Memory Recall (MR)
0x00008030	Continuous Priority AE
0x00008031	Tele-Zoom Continuous Priority AE 8pics
0x00008032	Tele-Zoom Continuous Priority AE 10pics
0x00008033	Continuous Priority AE12pics
0x00068040	3D Sweep Panorama Shooting
0x00068041	Sweep Panorama Shooting
0x00078050	Movie Recording (P)
0x00078051	Movie Recording (A)
0x00078052	Movie Recording (S)
0x00078053	Movie Recording (M)
0x00078054	Movie Recording (Auto)
0x00098059	Movie Recording (S&Q Motion (P))
0x0009805A	Movie Recording (S&Q Motion (A))
0x0009805B	Movie Recording (S&Q Motion (S))
0x0009805C	Movie Recording (S&Q Motion (M))
0x0009805D	Movie Recording (S&Q Motion (Auto))
0x00008060	Flash Off
0x00008070	Picture Effect
0x00088080	High Frame Rate (P)
0x00088081	High Frame Rate (A)
0x00088082	High Frame Rate (S)
0x00088083	High Frame Rate (M)
0x00008084	S&Q Motion (P)
0x00008085	S&Q Motion (A)
0x00008086	S&Q Motion (S)
0x00008087	S&Q Motion (M)
0x000A8088	Movie
0x000A8089	Still
0x000B808A	F (Movie or S&Q)
0x00078090	Movie F Mode
0x00098091	S&Q F Mode

Value	Description
0x000C8092	Interval REC (Movie) F Mode
0x000C8093	Interval REC (Movie) (P)
0x000C8094	Interval REC (Movie) (A)
0x000C8095	Interval REC (Movie) (S)
0x000C8096	Interval REC (Movie) (M)
0x000C8097	Interval REC (Movie) (Auto)

Note

After changing the Exposure Program Mode, when setting the shooting parameters, please send the command after a 500 ms interval. In some models, changing settings such as the shutter speed immediately after modifying this mode may result in indeterminate values being set.

Exposure Bias Compensation

Summary

Get/Set the exposure bias compensation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0x5010
Datatype	2	2	UINT16	0x0003(INT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
Any	The value is obtained by multiplying a real Exposure Bias Compensation value by 1000. e.g.) 0xEC78 = -5000 (means -5.0Ev) 0x0000 = 0 (means 0.0Ev) 0x1388 = 5000 (means 5.0Ev)

Still Capture Mode

Summary

Get/Set the drive mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0x5013
Datatype	2	2	UINT16	0x006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00000001	Normal
0x00010002	Continuous Shooting Hi
0x00018010	Continuous Shooting Hi+
0x00018011	Continuous Shooting Hi-Live
0x00018012	Continuous Shooting Lo
0x00018013	Continuous Shooting
0x00018014	Continuous Shooting Speed Priority
0x00018015	Continuous Shooting Mid
0x00018016	Continuous Shooting Mid-Live
0x00018017	Continuous Shooting Lo-Live
0x00020003	Timelapse
0x00038003	Self Timer 5 Sec.
0x00038004	Self Timer 10 Sec.
0x00038005	Self Timer 2 Sec.
0x0004C237	Continuous Bracket 0.3 EV 2 Img. +
0x0004C23F	Continuous Bracket 0.3 EV 2 Img. -
0x00048337	Continuous Bracket 0.3 EV 3 Img.
0x00048537	Continuous Bracket 0.3 EV 5 Img.
0x00048737	Continuous Bracket 0.3 EV 7 Img.
0x00048937	Continuous Bracket 0.3 EV 9 Img.
0x0004C257	Continuous Bracket 0.5 EV 2 Img. +
0x0004C25F	Continuous Bracket 0.5 EV 2 Img. -
0x00048357	Continuous Bracket 0.5 EV 3 Img.
0x00048557	Continuous Bracket 0.5 EV 5 Img.
0x00048757	Continuous Bracket 0.5 EV 7 Img.

Value	Description
0x00048957	Continuous Bracket 0.5 EV 9 Img.
0x0004C277	Continuous Bracket 0.7 EV 2 Img. +
0x0004C27F	Continuous Bracket 0.7 EV 2 Img. -
0x00048377	Continuous Bracket 0.7 EV 3 Img.
0x00048577	Continuous Bracket 0.7 EV 5 Img.
0x00048777	Continuous Bracket 0.7 EV 7 Img.
0x00048977	Continuous Bracket 0.7 EV 9 Img.
0x0004C211	Continuous Bracket 1.0 EV 2 Img. +
0x0004C219	Continuous Bracket 1.0 EV 2 Img. -
0x00048311	Continuous Bracket 1.0 EV 3 Img.
0x00048511	Continuous Bracket 1.0 EV 5 Img.
0x00048711	Continuous Bracket 1.0 EV 7 Img.
0x00048911	Continuous Bracket 1.0 EV 9 Img.
0x0004C241	Continuous Bracket 1.3 EV 2 Img. +
0x0004C249	Continuous Bracket 1.3 EV 2 Img. -
0x00048341	Continuous Bracket 1.3 EV 3 Img.
0x00048541	Continuous Bracket 1.3 EV 5 Img.
0x00048741	Continuous Bracket 1.3 EV 7 Img.
0x0004C261	Continuous Bracket 1.5 EV 2 Img. +
0x0004C269	Continuous Bracket 1.5 EV 2 Img. -
0x00048361	Continuous Bracket 1.5 EV 3 Img.
0x00048561	Continuous Bracket 1.5 EV 5 Img.
0x00048761	Continuous Bracket 1.5 EV 7 Img.
0x0004C281	Continuous Bracket 1.7 EV 2 Img. +
0x0004C289	Continuous Bracket 1.7 EV 2 Img. -
0x00048381	Continuous Bracket 1.7 EV 3 Img.
0x00048581	Continuous Bracket 1.7 EV 5 Img.
0x00048781	Continuous Bracket 1.7 EV 7 Img.
0x0004C221	Continuous Bracket 2.0 EV 2 Img. +
0x0004C229	Continuous Bracket 2.0 EV 2 Img. -
0x00048321	Continuous Bracket 2.0 EV 3 Img.
0x00048521	Continuous Bracket 2.0 EV 5 Img.
0x00048721	Continuous Bracket 2.0 EV 7 Img.
0x0004C251	Continuous Bracket 2.3 EV 2 Img. +
0x0004C259	Continuous Bracket 2.3 EV 2 Img. -

Value	Description
0x00048351	Continuous Bracket 2.3 EV 3 Img.
0x00048551	Continuous Bracket 2.3 EV 5 Img.
0x0004C271	Continuous Bracket 2.5 EV 2 Img. +
0x0004C279	Continuous Bracket 2.5 EV 2 Img. -
0x00048371	Continuous Bracket 2.5 EV 3 Img.
0x00048571	Continuous Bracket 2.5 EV 5 Img.
0x0004C291	Continuous Bracket 2.7 EV 2 Img. +
0x0004C299	Continuous Bracket 2.7 EV 2 Img. -
0x00048391	Continuous Bracket 2.7 EV 3 Img.
0x00048591	Continuous Bracket 2.7 EV 5 Img.
0x0004C231	Continuous Bracket 3.0 EV 2 Img. +
0x0004C239	Continuous Bracket 3.0 EV 2 Img. -
0x00048331	Continuous Bracket 3.0 EV 3 Img.
0x00048531	Continuous Bracket 3.0 EV 5 Img.
0x0005C236	Single Bracket 0.3 EV 2 Img. +
0x0005C23E	Single Bracket 0.3 EV 2 Img. -
0x00058336	Single Bracket 0.3 EV 3 Img.
0x00058536	Single Bracket 0.3 EV 5 Img.
0x00058736	Single Bracket 0.3 EV 7 Img.
0x00058936	Single Bracket 0.3 EV 9 Img.
0x0005C256	Single Bracket 0.5 EV 2 Img. +
0x0005C25E	Single Bracket 0.5 EV 2 Img. -
0x00058356	Single Bracket 0.5 EV 3 Img.
0x00058556	Single Bracket 0.5 EV 5 Img.
0x00058756	Single Bracket 0.5 EV 7 Img.
0x00058956	Single Bracket 0.5 EV 9 Img.
0x0005C276	Single Bracket 0.7 EV 2 Img. +
0x0005C27E	Single Bracket 0.7 EV 2 Img. -
0x00058376	Single Bracket 0.7 EV 3 Img.
0x00058576	Single Bracket 0.7 EV 5 Img.
0x00058776	Single Bracket 0.7 EV 7 Img.
0x00058976	Single Bracket 0.7 EV 9 Img.
0x0005C210	Single Bracket 1.0 EV 2 Img. +
0x0005C218	Single Bracket 1.0 EV 2 Img. -
0x00058310	Single Bracket 1.0 EV 3 Img.

Value	Description
0x00058510	Single Bracket 1.0 EV 5 Img.
0x00058710	Single Bracket 1.0 EV 7 Img.
0x00058910	Single Bracket 1.0 EV 9 Img.
0x0005C240	Single Bracket 1.3 EV 2 Img. +
0x0005C248	Single Bracket 1.3 EV 2 Img. -
0x00058340	Single Bracket 1.3 EV 3 Img.
0x00058540	Single Bracket 1.3 EV 5 Img.
0x00058740	Single Bracket 1.3 EV 7 Img.
0x0005C260	Single Bracket 1.5 EV 2 Img. +
0x0005C268	Single Bracket 1.5 EV 2 Img. -
0x00058360	Single Bracket 1.5 EV 3 Img.
0x00058560	Single Bracket 1.5 EV 5 Img.
0x00058760	Single Bracket 1.5 EV 7 Img.
0x0005C280	Single Bracket 1.7 EV 2 Img. +
0x0005C288	Single Bracket 1.7 EV 2 Img. -
0x00058380	Single Bracket 1.7 EV 3 Img.
0x00058580	Single Bracket 1.7 EV 5 Img.
0x00058780	Single Bracket 1.7 EV 7 Img.
0x0005C220	Single Bracket 2.0 EV 2 Img. +
0x0005C228	Single Bracket 2.0 EV 2 Img. -
0x00058320	Single Bracket 2.0 EV 3 Img.
0x00058520	Single Bracket 2.0 EV 5 Img.
0x00058720	Single Bracket 2.0 EV 7 Img.
0x0005C250	Single Bracket 2.3 EV 2 Img. +
0x0005C258	Single Bracket 2.3 EV 2 Img. -
0x00058350	Single Bracket 2.3 EV 3 Img.
0x00058550	Single Bracket 2.3 EV 5 Img.
0x0005C270	Single Bracket 2.5 EV 2 Img. +
0x0005C278	Single Bracket 2.5 EV 2 Img. -
0x00058370	Single Bracket 2.5 EV 3 Img.
0x00058570	Single Bracket 2.5 EV 5 Img.
0x0005C290	Single Bracket 2.7 EV 2 Img. +
0x0005C298	Single Bracket 2.7 EV 2 Img. -
0x00058390	Single Bracket 2.7 EV 3 Img.
0x00058590	Single Bracket 2.7 EV 5 Img.

Value	Description
0x0005C230	Single Bracket 3.0 EV 2 Img. +
0x0005C238	Single Bracket 3.0 EV 2 Img. -
0x00058330	Single Bracket 3.0 EV 3 Img.
0x00058530	Single Bracket 3.0 EV 5 Img.
0x00068018	White Balance Bracket Lo
0x00068028	White Balance Bracket Hi
0x00078019	DRO Bracket Lo
0x00078029	DRO Bracket Hi
0x0007801A	LPF Bracket
0x0007800A	Remote Commander
0x0007800B	Mirror Up
0x00078006	Self Portrait 1 Person
0x00078007	Self Portrait 2 People
0x00088008	Continuous Self Timer 3 Img.
0x00088009	Continuous Self Timer 5 Img.
0x0008800C	Continuous Self Timer 3 Img. 5 Sec.
0x0008800D	Continuous Self Timer 5 Img. 5 Sec.
0x0008800E	Continuous Self Timer 3 Img. 2 Sec.
0x0008800F	Continuous Self Timer 5 Img. 2 Sec.
0x00098030	Spot Burst Shooting Lo
0x00098031	Spot Burst Shooting Mid
0x00098032	Spot Burst Shooting Hi
0x000A8040	Focus Bracket

T-Number

Summary

Get/Set the T-number.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD000
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0xFFFF

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0xFFFD	Iris Close
0xFFFE	--
0xFFFF	nothing to display
Other than above values	100 times the real value of T-Number e.g.) 0x01C2= 450 /100 = 4.5

Iris Mode Setting

Summary

Get/Set the iris mode setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD001
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Automatic
0x02	Manual

Iris Display Unit

Summary

Get/Set the iris display unit.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD003
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	F
0x03	T

Focal Distance in Meter

Summary

Get/Set the focal distance in meter.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD004
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

This device property is not supported, and its value is not guaranteed with the following models: ILCE-7CM2 (Ver. 1.00), ILCE-7CR (Ver. 1.00), and ILX-LR1 (Ver. 1.00).

Focal Distance in Feet

Summary

Get/Set the focal distance in feet.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD005
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

If current value is 0xFFFFFFFF, ∞
1000 times the real value of focal distance in feet
e.g.) 0x00005014 = 20500 /1000 = 20.5 feet
e.g.) 0x00030D4 = 200000 /1000 = 200 feet

Focal Distance Unit Setting

Summary

Get/Set the focal distance unit setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD006
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Meter
0x02	Feet

Focus Mode Setting

Summary

Get/Set the focus mode setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD007
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Automatic
0x02	Manual

Focus Speed Range

Summary

Get the focus speed range.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD008
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	N/A (0x00)
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
1	step

Note

Current parameter is fixed at 0.
The range of the parameter is the same as that of the Focus Operation.

Digital Zoom Scale

Summary

Get/Set the digital zoom scale.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD00A
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max

Value	Description
Variable	step

Note

Min/max/step are variable. 1000 times the real value of the zoom scale.
"step" varies as the camera's condition changes. E.g., 1.0→1.2→1.4→... = 200.
Set the values multiplied by step to min/max/value. E.g., min=1000, max=8000, step=200, value=0:
1200 (min=x1.0, max=8.0, value=x1.2).
Zoom Scale (0xD25C) shows the total digital and optical scale.

Zoom Distance

Summary

Get/Set the zoom distance.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD00B
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT32	0x00
CurrentValue	6	1	UINT32	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Min/max/step are variable. Their units are 0.001 mm.
Set the values multiplied by step to min/max/value. E.g., min=18000, max=55000, step=1000, value=0:
20000 (min=18.0, max=55.0, value=x20.0).
Maximum value defined in the protocol is 4294967 mm.

White Balance Mode Setting

Summary

Get/Set the white balance mode setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD00C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Automatic
0x02	Manual

White Balance Tint

Summary

Get/Set the white balance tint.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD00D
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
-99	min
99	max
1	step

Shutter Angle

Summary

Get/Set the shutter angle.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD00E
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00000000	-
Other than above values	1000 times the real value of Shutter Angle e.g.) 0x0002BF20 = 180000 /1000 = 180 e.g.) 0x00015F90 = 90000 /1000 = 90

Shutter Setting

Summary

Get/Set the shutter setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD00F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Shutter Mode

Summary

Get/Set the shutter mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD010
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Speed
0x02	Angle

Shutter Mode Status

Summary

Get/Set the shutter mode status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD011
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	Speed
0x03	Angle
0x04	ECS
0x05	Auto

Note

This value depends on the following commands:
Shutter Setting (0xD00F)
Shutter ECS Setting (0xE006)
Shutter Mode (0xD010)

Shutter Mode Setting

Summary

Get/Set the shutter mode setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD013
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Automatic
0x02	Manual

Shutter Slow

Summary

Get/Set the shutter slow.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD014
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumlation)

Value

Value	Description
0x01	OFF
0x02	ON

Shutter Slow Frames

Summary

Get/Set the shutter slow frames.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD015
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumlation)

Value

Value	Description
0x00	-
Other than above values	Shutter Slow Frames Value

Shutter Speed Value

Summary

Get/Set the shutter speed value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD016
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	8	UINT64	0x0000000000000000
CurrentValue	6	8	UINT64	variable
FormFlag	7	1	UINT8	0x02(Enumlation)

Value

Value	Description
variable	Upper four bytes: numerator, Lower four bytes: denominator

Shutter Speed Current Value

Summary

Get the shutter speed current value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD017
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	8	UINT64	0x0000000000000000
CurrentValue	6	8	UINT64	variable
FormFlag	7	1	UINT8	0x02(Enumlation)

Value

Value	Description
variable	Upper four bytes: numerator, Lower four bytes: denominator

ND Filter

Summary

Get/Set the ND filter.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD018
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

ND Filter Mode

Summary

Get the ND filter mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD019
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	Preset

Value	Description
0x03	PresetClear
0x04	Variable
0x05	VariableClear
0x06	Step
0x07	StepClear

ND Filter Mode Setting

Summary

Get/Set the ND filter mode setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD01A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Automatic
0x02	Manual

ND Filter Value

Summary

Get/Set the ND filter value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD01B
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	8	UINT64	0x0000000000000000
CurrentValue	6	8	UINT64	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0xFFFFFFFFFFFFFFFF	nothing to display.
Other than above values	The real value of ND Filter (Upper four bytes: numerator, Lower four bytes: denominator)

Note

This value is expressed in transmittance.

Gain Control Setting

Summary

Get/Set the gain control setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD01C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Automatic
0x02	Manual

Gain Unit Setting

Summary

Get/Set the gain unit setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD01D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	dB
0x02	ISO

Gain dB Value

Summary

Get/Set the gain dB value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD01E
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Gain dB Current Value

Summary

Get the gain dB current value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD01F
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Gain Base ISO Sensitivity

Summary

Get/Set the gain base ISO sensitivity.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD020
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	High level

Value	Description
0x02	Low level

Gain Base Sensitivity

Summary

Get/Set the gain base sensitivity.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD021
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	High level
0x02	Low level

Exposure Index

Summary

Get/Set the exposure index.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD022
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
variable	Exposure Index

Note

Set the EI value; the set value varies depending on the model and the setting status of the camera.
See SDIO_GetDisplayStringList for display characters and highlight the latitude list associated with EI.
E.g., If setting with "200EI / 4.0E," set 0x00C8.

ISO Current Sensitivity

Summary

Get the ISO current sensitivity.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD023
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000000A	ISO 10
0x0000000C	ISO 12
0x00000010	ISO 16
0x00000014	ISO 20
0x00000019	ISO 25
0x00000020	ISO 32
0x00000028	ISO 40
0x00000032	ISO 50
0x00000040	ISO 64
0x00000050	ISO 80
0x00000064	ISO 100
0x0000007D	ISO 125
0x000000A0	ISO 160

Value	Description
0x000000C8	ISO 200
0x000000FA	ISO 250
0x00000140	ISO 320
0x00000190	ISO 400
0x000001F4	ISO 500
0x00000280	ISO 640
0x00000320	ISO 800
0x000003E8	ISO 1000
0x000004E2	ISO 1250
0x00000640	ISO 1600
0x000007D0	ISO 2000
0x000009C4	ISO 2500
0x00000C80	ISO 3200
0x00000FA0	ISO 4000
0x00001388	ISO 5000
0x00001900	ISO 6400
0x00001F40	ISO 8000
0x00002710	ISO 10000
0x00003200	ISO 12800
0x00003E80	ISO 16000
0x00004E20	ISO 20000
0x00006400	ISO 25600
0x00007D00	ISO 32000
0x00009C40	ISO 40000
0x0000C800	ISO 51200
0x0000FA00	ISO 64000
0x00013880	ISO 80000
0x00019000	ISO 102400
0x0001F400	ISO 128000
0x00027100	ISO 160000
0x00032000	ISO 204800
0x0003E800	ISO 256000
0x0004E200	ISO 320000
0x00064000	ISO 409600
0x0007D000	ISO 512000

Value	Description
0x0009C400	ISO 640000
0x000C8000	ISO 819200

Recording Resolution for Main (Movie)

Summary

Get/Set the recording resolution for main.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD024
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00000000-0xFFFFFFFF	Recording resolution (Width, Height)

Note

The "Width" is set in the upper two bytes and the "Height" is set in the lower two bytes
if resolution (width) is 1920, (height) is 1080, set 0x07800438. 0x0780 = 0d1920, 0x0438 = 0d1080.

Recording Resolution for Proxy (Movie)

Summary

Get/Set the recording resolution for proxy.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD025
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00000000-0xFFFFFFFF	Recording resolution (Width, Height)

Note

The "Width" is set in the upper two bytes and the "Height" is set in the lower two bytes
if resolution (Width) is 1920, (Height) is 1080, set 0x07800438. 0x0780 = 0d1920, 0x0438 = 0d1080

Proxy File Format (Movie)

Summary

Get/Set the proxy file format (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD027
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	DVD
0x02	M2PS
0x03	AVCHD
0x04	MP4
0x05	DV
0x06	XAVC
0x07	MXF
0x08	XAVC S 4K
0x09	XAVC S HD
0x0A	XAVC HS 8K

Value	Description
0x0B	XAVC HS 4K
0x0C	XAVC S-L 4K
0x0D	XAVC S-L HD
0x0E	XAVC S-I 4K
0x0F	XAVC S-I HD
0x10	XAVC I
0x11	XAVC L
0x12	XAVC Proxy
0x13	XAVC HS HD
0x14	XAVC S-I DCI 4K
0x15	XAVC H-I HQ
0x16	XAVC H-I SQ
0x17	XAVC H-L
0x18	X-OCN XT
0x19	X-OCN ST
0x1A	X-OCN LT
0x1B	XAVC HS-L 422
0x1C	XAVC HS-L 420
0x1D	XAVC S-L 422
0x1E	XAVC S-L 420
0x1F	XAVC S-I 422

Recording Frame Rate Proxy Setting (Movie)

Summary

Get/Set the recording frame rate proxy setting (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD028
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	120p (*1)
0x02	100p
0x03	60p (*2)
0x04	50p
0x05	30p (*3)
0x06	25p
0x07	24p (*4)
0x08	23.98p
0x09	29.97p
0x0A	59.94p
0x0B	19.98p
0x0C	14.99p
0x0D	12.50p
0x0E	12.00p
0x0F	11.99p
0x10	10.00p
0x11	9.99p
0x12	6.00p
0x13	5.99p
0x14	5.00p
0x15	4.995p
0x16	24.00p
0x17	119.88p
0x41	120i (*1)
0x42	100i
0x43	60i (*2)
0x44	50i
0x45	30i (*3)
0x46	25i
0x47	24i (*4)
0x48	23.98i
0x49	29.97i
0x4A	59.94i
0x4B	19.98i

Value	Description
0x4C	14.99i
0x4D	12.50i
0x4E	12.00i
0x4F	11.99i
0x50	10.00i
0x51	9.99i
0x52	6.00i
0x53	5.99i
0x54	5.00i
0x55	4.995i
0x56	24.00i
0x57	119.88i

Note

Means field frequency.
*1 The actual field frequency may be 119.88 for some cameras.
*2 The actual field frequency may be 59.94 for some cameras.
*3 The actual field frequency may be 29.97 for some cameras.
*4 The actual field frequency may be 23.98 for some cameras.

Zoom Distance Unit Setting

Summary

Get/Set the zoom distance unit setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD029
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	mm

Value	Description
0x02	percent

Select FTP ServerID

Summary

Get/Set the selected FTP ServerID.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD02E
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0xFFFFFFFF	nothing to display.
Other than above values	The real value of Server ID

Movie Playing State

Summary

Get the movie playing state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD02F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Not Playing
0x01	Playing

Movie Playing Speed

Summary

Get movie playing speed.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD030
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	8	UINT64	0x0000000000000000
CurrentValue	6	8	UINT64	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0xFFFFFFFFFFFFFFFF	nothing to display.
Other than above values	The real value of Clip Playing Speed (Upper four bytes: numerator, Lower four bytes: denominator)

Note

The numerator is int32_t type and the denominator is uint32_t type.

Media SLOT1 ProfileUrl

Summary

Get media slot 1 profile URL.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD031
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x00(Get)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	variable
Reserved	5		STR	""
CurrentValue	6		STR	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
String	Profile URL

Media SLOT2 ProfileUrl

Summary

Get media slot 2 profile URL.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD032
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5		STR	""
CurrentValue	6		STR	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
String	Profile URL

Media SLOT1 Player

Summary

Get the media slot 1 player.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD035
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	None
0x01	Player
0x02	Recoder
0x03	Player + Recoder

Media SLOT2 Player

Summary

Get the media slot 2 player.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD036
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	None
0x01	Player
0x02	Recoder
0x03	Player + Recoder

Battery Remain Display Unit

Summary

Get/Set the battery remain display unit.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD037
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	minute
0x02	percent
0x03	voltage

Battery Remaining in Minutes

Summary

Get the battery remaining in minutes.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD038
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min

Value	Description
0xFFFFFFFF	max
0x01	step

Note

0xFFFFFFFF is untaken.

Battery Remaining in Voltage

Summary

Get the battery remaining in voltage.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD039
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x01	step

Note

0xFFFFFFFF is untaken.
1000 times the real value of Battery Remaining in voltage

Power Source

Summary

Get/Set the power source.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD03A

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	DC
0x02	Battery
0x03	PoE

AWB

Summary

Get/Set the AWB.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD03B
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

BaseLook Value

Summary

Get/Set the BaseLook value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD03C
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT8	0x00
CurrentValue	6	2	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Index 1
0x0002	Index 2
0x0003	Index 3
0x0004	Index 4
0x0005	Index 5
0x0006	Index 6
0x0007	Index 7
0x0008	Index 8
0x0009	Index 9
0x000A	Index 10
0x000B	Index 11
0x000C	Index 12
0x000D	Index 13
0x000E	Index 14
0x000F	Index 15
0x0010	Index 16

Note

The number of values will increase or decrease depending on the camera models and their settings.
Refer to SDIO_GetDisplayStringList for displayed strings.

The upper 1 byte indicates whether the index is a preset LUT index or a user LUT index.

- `0x00`: preset LUT index
- `0x01`: user LUT index

For example, the value `0x0101` means "User 1."

DC Voltage

Summary

Get the DC voltage.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD03E
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x01	step

Note

0xFFFFFFFF is untaken.
1000 times the real value of DC voltage.

Software Version

Summary

Get the software version.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD040
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5		STR	""
CurrentValue	6		STR	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
String	Software Version

FTP Function

Summary

Get/Set the FTP function.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD041
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Sync ID for FTP Job List

Summary

Get the sync ID for FTP job list.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD02A
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
1	step

Playback Media

Summary

Get/Set the playback media.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD042
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	Variable
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	SLOT1
0x02	SLOT2

REC Settings Reset Enable Status

Summary

Get the record settings reset enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD043
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	1	UINT8	N/A
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Monitor DISP (Screen Display) Mode Candidates

Summary

Get the monitor DISP (screen display) mode candidates.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD044
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	N/A (0x00000000)
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00000001	Graphic Display
0x00000002	Display All Info.
0x00000004	Histogram
0x00000008	Level
0x00000010	No Disp. Info.
0x00000020	No Disp. Info. Exposure: On
0x00000040	No Disp. Info. Exposure: Timeout
0x00000080	For viewfinder
0x00000100	Monitor Off

Note

This bit-assigned available DISP values can be used to set "Monitor DISP (Screen Display) Mode Setting (0xD045)" by OR operation.

Monitor DISP (Screen Display) Mode Setting

Summary

Get/Set the monitor DISP (screen display) mode setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD045
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000001	min
0xFFFFFFFF	max
0x00000001	step

Note

Use the available DISP mode value obtained by "Monitor DISP (Screen Display) Mode Candidate (0xD044)" for OR operation.
Multiple values could be set using OR operation. Thus, at least one option must be set.
You must select "No Disp. Info. Exposure: On (0x0020)" or "No Disp. Info. Exposure: Timeout (0x0040)" despite "No Disp. Info." selection.
If both "No Disp. Info. Exposure: On (0x0020)" and "No Disp. Info. Exposure: Timeout (0x0040)" are set, "No Disp. Info. Exposure: On (0x0020)" will be preferred.
If neither "No Disp. Info. Exposure: On (0x0020)" nor "No Disp. Info. Exposure: Timeout (0x0040)" are set, "No Disp. Info. Exposure: On (0x0020)" will be set.
Only when "No Disp. Info. (0x0010)" is selected, "No Disp. Info. Exposure: On (0x0020)" and "No Disp. Info. Exposure: Timeout (0x0040)" can be set.

Monitor DISP (Screen Display) Mode

Summary

Get/Set the monitor DISP (screen display) mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD046

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Graphic Display
0x02	Display All Info.
0x03	No Disp. Info.
0x04	Histogram
0x05	Level
0x06	For viewfinder
0x07	Monitor Off

Touch Operation

Summary

Get/Set the touch operation setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD047
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On
0x03	On: Playback only

Select Finder/Monitor

Summary

Get/Set the finder/monitor setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD048
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	Viewfinder (Manual)
0x03	Monitor (Manual)
0x04	Auto2

Auto Power OFF Temperature

Summary

Get/Set the auto power off temperature.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD049
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Standard
0x02	High

Body Key Lock

Summary

Get/Set the body key lock status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD04A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Unlock
0x02	Lock

Image ID (Numerical Value)

Summary

Get/Set the image ID (numerical value).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD04B
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	8	UINT64	0x0000000000000000
CurrentValue	6	8	UINT64	Variable

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x0000000000000000	min
0xFFFFFFFFFFFFFFFF	max
0x0000000000000001	step

Note

This device property is used only when the device property Image ID (Numerical Value) Setting is on (0x02). Refer to Linking GPS Information with Shooting Images in Tips for how to use it.

By specifying a value in this property before shooting, the value specified in the Exif tag of the image file shot after that will be saved. If you shoot immediately after setting, it may not be recorded on the Exif tag. Be sure to obtain and ensure that the set and get values match before shooting.

The Exif tag for the Image ID (Numerical Value) is 0x2042.

Image ID (String)

Summary

Get/Set the image ID (string).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD04C
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5		STR	""
CurrentValue	6		STR	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
String	Image ID (String)

Note

This device property is used only when the device property Image ID (Numerical Value) Setting is on (0x02). Refer to Linking GPS Information with Shooting Images in Tips for how to use it.

By specifying a value in this property before shooting, the value specified in the Exif tag of the image file shot after that will be saved. If you shoot immediately after setting, it may not be recorded on the Exif tag. Be sure to obtain and ensure that the set and get values match before shooting.

The Exif tag for the Image ID (String) is 0x2043.

Monitor LUT Setting (All Line)

Summary

Get/Set the monitor LUT setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD04D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Auto FTP Transfer

Summary

Get/Set the auto FTP transfer.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD04E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Auto FTP Transfer Target

Summary

Get/Set the auto FTP transfer target.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD04F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Still
0x02	Movie
0x03	Still＆Movie

S&Q Frame Rate

Summary

Get/Set the S&Q frame rate.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD052
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	Invalid
Other than above values	The real value of S&Q frame rate.

Note

The range of frame rate is 1 fps to 60 fps, and 100 fps / 120 fps / 150 fps / 180 fps / 200 fps / 240 fps.

Interval REC (Movie) Time

Summary

Get/Set the interval recording (movie) time.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD055
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00000001	1 sec
0x00000002	2 sec
0x00000003	3 sec
0x00000004	4 sec
0x00000005	5 sec
0x00000006	6 sec
0x00000007	7 sec
0x00000008	8 sec
0x00000009	9 sec

Value	Description
0x0000000A	10 sec
0x0000000F	15 sec
0x00000014	20 sec
0x0000001E	30 sec
0x00000028	40 sec
0x00000032	50 sec
0x0000003C	1 min
0x00000078	2 min
0x000000B4	3 min
0x000000F0	4 min
0x0000012C	5 min
0x00000168	6 min
0x000001A4	7 min
0x000001E0	8 min
0x0000021C	9 min
0x00000258	10 min
0x00000384	15 min
0x000004B0	20 min
0x00000708	30 min
0x00000960	40 min
0x00000BB8	50 min
0x00000E10	1 hour
0x00001C20	2 hour
0x00002A30	3 hour
0x00003840	4 hour
0x00005460	6 hour
0x0000A8C0	12 hour
0x00015180	24 hour

Note

The real value of interval recording time.

Upload Dataset Version

Summary

Get the UploadDataset version of UploadData command.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD057
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
variable	Upload Dataset Version

Note

ex) The Dataset Version is 0x00000064 (0d100).

BaseLookImport Command Version

Summary

Get the enabled status and command dataset version (BaseLookImport).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD059
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
variable	Dataset Version

Note

ex) The Dataset Version is 0x00000064 (0d100).
When the BaseLookImport feature is invalid, the IsEnable field is disabled.

Subject Recognition AF

Summary

Get/Set subject recognition AF.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD060
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	Only AF
0x03	Priority AF

AF Transition Speed

Summary

Get/Set AF transition speed.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD061
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min

Value	Description
variable	max
variable	step

Note

The range value may change depending on the model.

AF Subj Shift Sens

Summary

Get/Set AF subj. shift sens.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD062
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Note

The range value may changes depending on the model.

ND Filter Switching Setting

Summary

Get/Set the ND filter switching setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD073
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	PRESET
0x02	VARIABLE
0x03	STEP

Monitoring Output Display HDMI

Summary
Get/Set the monitoring output display HDMI.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD079
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Lens Model Name

Summary
Get the lens model name.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD07B
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5		STR	""
CurrentValue	6		STR	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
String	Lens Model Name

Lens Version Number

Summary

Get the lens version number.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD07D
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5		STR	""
CurrentValue	6		STR	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
String	Lens Version Number

Note

A major version number can be obtained if the lens version is available.
This gets -- if the lens version is not available.
For example, this gets 01 for the major number 1.

BaseLookImport Operation Enable Status

Summary

Get the BaseLook import operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD08B
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Image ID (Numerical Value) Setting

Summary

Get/Set the image ID (numerical value) setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD092
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Note

Refer to Linking GPS Information with Shooting Images in Tips for how to use it.

Exposure Ctrl Type

Summary

Get/Set the exposure control type.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD099
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	P/A/S/M Mode
0x02	Flexible Exp. Mode

FTPSettingList Operation Enable Status

Summary

Get the FTPSettingList operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD09A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Focus Bracket Shooting Status

Summary

Get the focus bracket shooting status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0AB
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Not Shooting
0x01	Shooting

Note

"Shooting" (0x01) is set for this device property during the focus bracket shooting period.
"Not Shooting" (0x00) is set for this device property except during the focus bracket shooting period.

Camera Operating Mode

Summary

Get the camera operating mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0BC
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Record
0x02	Playback

Playback View Mode

Summary

Get the playback view mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0BD
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Playback
0x02	Index

Note

When Camera Operating Mode is not set to Playback, the IsEnable Field is disabled.

Type-C Accessory Mode

Summary

Get/Set the Type-C accessory mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0C5
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Pixel Mapping Enable Status

Summary

Get the pixel mapping enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0C6
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Delete UserBaseLook

Summary

Set/Get to Delete UserBaseLook

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0C7
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	N/A
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	invalid
0xFFFF	All
Other than above values	The value of UserBaseLookNumber

Note

It may increase or decrease because it varies depending on the model and setting status.
See the SDIO_GetDisplayStringList for display character.

Select UserBaseLook to Edit

Summary

Set/Get to Select UserBaseLook to Edit

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0C8
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	invalid
Other than above values	The value of UserBaseLookNumber

Note

It may increase or decrease because it varies depending on the model and setting status.
See the SDIO_GetDisplayStringList for display character.

UserBaseLook Input

Summary

Get/Set the UserBaseLook input.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0C9
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	S-Gamut3/SLog3
0x02	S-Gamut3.Cine/SLog3

Note

Set "UserBaseLook Input" for UserBaseLook selected in "Select UserBaseLook to Edit."

UserBaseLook AE Level Offset

Summary

Get/Set the UserBaseLook AE level offset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0CA

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
variable	AE Level Offset Value(EV)

Note

Set "UserBaseLook AE Level Offset" for UserBaseLook selected in "Select UserBaseLook to Edit."
e.g.) 0x0203 means 2/3EV

Base ISO Switch EI

Summary

Get/Set the base ISO switch EI.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0CB
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
variable	Exposure Index to Switch BaseISO

Note

e.g.) If setting with "1600EI", set 0x0640

Select BaseLook to Set in PPLUT

Summary

Get/Set to select BaseLook to set in PPLUT.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0CC
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	invalid
Other than above values	The value of UserBaseLookNumber

Note

It may increase or decrease because it varies depending on the model and setting status.
Set "Select BaseLook to Set in PPLUT" for PictureProfileLUT in "Picture Profile."

Eframing Scale (Auto)

Summary

Get/Set the eframing scale (auto).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0CD
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Low
0x02	Mid
0x03	High

Eframing Speed (Auto)

Summary

Get/Set the eframing speed (auto).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0CE
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Camera Eframing

Summary

Get/Set the camera eframing.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0CF
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

S&Q Rec Frame Rate

Summary

Get/Set the S&Q recording frame rate.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D0
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	120p (*1)
0x02	100p
0x03	60p (*2)
0x04	50p
0x05	30p (*3)
0x06	25p
0x07	24p (*4)
0x08	23.98p
0x09	29.97p
0x0A	59.94p
0x0B	19.98p

Value	Description
0x0C	14.99p
0x0D	12.50p
0x0E	12.00p
0x0F	11.99p
0x10	10.00p
0x11	9.99p
0x12	6.00p
0x13	5.99p
0x14	5.00p
0x15	4.995p
0x16	24.00p
0x17	119.88p
0x41	120i (*1)
0x42	100i
0x43	60i (*2)
0x44	50i
0x45	30i (*3)
0x46	25i
0x47	24i (*4)
0x48	23.98i
0x49	29.97i
0x4A	59.94i
0x4B	19.98i
0x4C	14.99i
0x4D	12.50i
0x4E	12.00i
0x4F	11.99i
0x50	10.00i
0x51	9.99i
0x52	6.00i
0x53	5.99i
0x54	5.00i
0x55	4.995i
0x56	24.00i
0x57	119.88i

Note

Means field frequency.
*1 The actual field frequency may be 119.88 for some cameras.
*2 The actual field frequency may be 59.94 for some cameras.
*3 The actual field frequency may be 29.97 for some cameras.
*4 The actual field frequency may be 23.98 for some cameras.

S&Q Record Setting

Summary

Get/Set the S&Q recording setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D1
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	Invalid
0x0026	600M 422 10bit
0x0027	500M 422 10bit
0x0028	400M 420 10bit
0x0029	300M 422 10bit
0x002A	280M 422 10bit
0x002B	250M 422 10bit
0x002C	240M 422 10bit
0x002D	222M 422 10bit
0x002E	200M 422 10bit
0x002F	200M 420 10bit
0x0030	200M 420 8bit
0x0031	185M 422 10bit
0x0032	150M 420 10bit
0x0033	150M 420 8bit

Value	Description
0x0034	140M 422 10bit
0x0035	111M 422 10bit
0x0036	100M 422 10bit
0x0037	100M 420 10bit
0x0038	100M 420 8bit
0x0039	93M 422 10bit
0x003A	89M 422 10bit
0x003B	75M 420 10bit
0x003C	60M 420 8bit
0x003D	50M 422 10bit
0x003E	50M 420 10bit
0x003F	50M 420 8bit
0x0040	45M 420 10bit
0x0041	30M 420 10bit
0x0042	25M 420 8bit
0x0043	16M 420 8bit
0x0044	520M 422 10bit
0x0045	260M 422 10bit

Audio Recording

Summary
Get/Set the audio recording.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D2
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	OFF
0x01	ON

Time Code Preset

Summary

Get/Set the time code preset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D3
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

Bit 24-31: Hour (0-23)
Bit 16-23: Minute (0-59)
Bit 8-15: Second (0-59)
Bit 0-7: Millisecond (0-29)

User Bit Preset

Summary

Get/Set the user bit preset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D4

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

Saved to file in LSB First order.

Time Code Format

Summary

Get/Set the time code format.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D5
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	DF
0x02	NDF

Time Code Run

Summary

Get/Set the time code run.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D6
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Rec Run
0x02	Free Run

Time Code Make

Summary

Get/Set the time code make.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D7
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Preset
0x02	Regenerate

User Bit Time Rec

Summary

Get/Set the user bit time recording.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D8
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Image Stabilization Steady Shot

Summary

Get/Set the image stabilization steady shot.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0D9
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Image Stabilization Steady Shot (Movie)

Summary

Get/Set the image stabilization steady shot (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0DA
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	Standard
0x03	Active
0x04	Hybrid

Silent Mode

Summary

Get/Set the silent mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0DB
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Silent Mode Aperture Drive in AF

Summary

Get/Set the silent mode aperture drive in AF.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0DC
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Not Target
0x02	Standard
0x03	Silent Priority

Silent Mode Shutter When Power OFF

Summary

Get/Set the silent mode shutter when power off.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0DD
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Not Target
0x02	OFF

Silent Mode Auto Pixel Mapping

Summary

Get/Set the silent mode auto pixel mapping.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0DE
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Not Target
0x02	OFF

Shutter Type

Summary

Get/Set the shutter type.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0DF
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	Mechanical Shutter
0x03	Electronic Shutter

Picture Profile BlackLevel

Summary

Get/Set the picture profile BlackLevel.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E0
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set Black Level for the Picture Profile selected in "Picture Profile."

Picture Profile Gamma

Summary

Get/Set the picture profile gamma.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E1
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Movie
0x0002	Still
0x0003	S-Cinetone
0x0101	Cine1
0x0102	Cine2
0x0103	Cine3
0x0104	Cine4
0x0201	ITU709
0x0202	ITU709(800%)
0x0302	S-Log2
0x0303	S-Log3
0x0401	HLG
0x0402	HLG1
0x0403	HLG2
0x0404	HLG3

Note

Set Gamma for the Picture Profile selected in "Picture Profile."

Picture Profile BlackGamma Range

Summary

Get/Set the picture profile BlackGamma range.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E2
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x0000
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Wide
0x02	Middle
0x03	Narrow

Note

Set BlackGamma Range for the Picture Profile selected in "Picture Profile."

Picture Profile BlackGamma Level

Summary

Get/Set the picture profile BlackGamma level.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E3
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set BlackGamma Level for the Picture Profile selected in "Picture Profile."

Picture Profile Knee Mode

Summary

Get/Set the picture profile knee mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E4
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x0000
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	Manual

Note

Set BlackGamma Range for the Picture Profile selected in "Picture Profile."

Picture Profile Knee AutoSet MaxPoint

Summary

Get/Set the picture profile knee AutoSet MaxPoint.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E5

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	invalid
Other than above values	100 times the value of MaxPoint(%) ex) 0x2616 = 97.50%

Note

It may increase or decrease because it varies depending on the model and setting status.
Set Knee AutoSet MaxPoint for the Picture Profile selected in "Picture Profile."

Picture Profile Knee AutoSet Sensitivity

Summary

Get/Set the picture profile knee AutoSet sensitivity.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E6
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x0000
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Low
0x02	Mid
0x03	High

Note

Set Knee AutoSet Sensitivity for the Picture Profile selected in "Picture Profile."

Picture Profile Knee ManualSet Point

Summary

Get/Set the picture profile knee ManualSet point.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E7
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	invalid
Other than above values	100 times the value of MaxPoint(%) ex) 0x2616 = 97.50%

Note

It may increase or decrease because it varies depending on the model and setting status.
Set Knee ManualSet Point for the Picture Profile selected in "Picture Profile."

Picture Profile Knee ManualSet Slope

Summary

Get/Set the picture profile knee ManualSet slope.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E8
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set Knee ManualSet Slope for the Picture Profile selected in "Picture Profile."

Picture Profile Color Mode

Summary

Get/Set the picture profile color mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0E9
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Movie
0x0002	Still
0x0003	S-Cinetone
0x0004	Cinema
0x0005	Pro
0x0006	ITU709 Matrix
0x0007	Black&White
0x0008	S-Gamut3.Cine

Value	Description
0x0009	S-Gamut3
0x000A	BT.2020
0x000B	709
0x000C	S-Gamut
0x000D	709tone

Note

Set Color Mode for the Picture Profile selected in "Picture Profile."

Picture Profile Saturation

Summary

Get/Set the picture profile saturation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0EA
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set saturation for the picture profile selected in "Picture Profile."

Picture Profile ColorPhase

Summary

Get/Set the picture profile ColorPhase.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0EB
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set ColorPhase for the picture profile selected in "Picture Profile."

Picture Profile Color Depth Red

Summary

Get/Set the picture profile color depth red.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0EC
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max

Value	Description
Variable	step

Note

Set color depth red for the picture profile selected in "Picture Profile."

Picture Profile Color Depth Green

Summary

Get/Set the picture profile color depth green.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0ED
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set color depth green for the picture profile selected in "Picture Profile."

Picture Profile Color Depth Blue

Summary

Get/Set the picture profile color depth blue.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0EE
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set color depth blue for the picture profile selected in "Picture Profile."

Picture Profile Color Depth Cyan

Summary

Get/Set the picture profile color depth cyan.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0EF
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set color depth cyan for the picture profile selected in "Picture Profile."

Picture Profile Color Depth Magenta

Summary

Get/Set the picture profile color depth magenta.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F0
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set color depth magenta for the picture profile selected in "Picture Profile."

Picture Profile Color Depth Yellow

Summary

Get/Set the picture profile color depth yellow.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F1
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set color depth yellow for the picture profile selected in "Picture Profile."

Picture Profile Detail Level

Summary

Get/Set the picture profile detail level.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F2
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set detail level for the picture profile selected in "Picture Profile."

Picture Profile Detail Adjust Mode

Summary

Get/Set the picture profile detail adjust mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F3
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x0000
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	Manual

Note

Set detail adjust mode for the picture profile selected in "Picture Profile."

Picture Profile Detail Adjust V/H Balance

Summary

Get/Set the picture profile detail adjust V/H balance.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F4
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set detail adjust V/H balance for the picture profile selected in "Picture Profile."

Picture Profile Detail Adjust B/W Balance

Summary

Get/Set the picture profile detail adjust B/W balance.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F5
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x0000
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Type1
0x02	Type2
0x03	Type3
0x04	Type4
0x05	Type5

Note

It may increase or decrease because it varies depending on the model and setting status.
Set detail adjust B/W balance for the picture profile selected in "Picture Profile."

Picture Profile Detail Adjust Limit

Summary

Get/Set the picture profile detail adjust limit.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F6
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set detail adjust limit for the picture profile selected in "Picture Profile."

Picture Profile Detail Adjust Crispening

Summary

Get/Set the picture profile detail adjust crispening.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F7
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set detail adjust crispening for the picture profile selected in "Picture Profile."

Picture Profile Detail Adjust Highlight Detail

Summary

Get/Set the picture profile detail adjust highlight detail.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F8
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set detail adjust hi-light detail for the picture profile selected in "Picture Profile."

Copy Picture Profile

Summary

Get/Set the copy picture profile.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0F9
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	N/A
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Picture Profile number 1
0x02	Picture Profile number 2
0x03	Picture Profile number 3
0x04	Picture Profile number 4
0x05	Picture Profile number 5
0x06	Picture Profile number 6
0x07	Picture Profile number 7
0x08	Picture Profile number 8
0x09	Picture Profile number 9
0x0A	Picture Profile number 10
0x0B	Picture Profile number 11

Note

It may increase or decrease because it varies depending on the model and setting status.
Select the copy destination picture profile number for the picture profile selected in "Picture Profile."

Creative Look

Summary

Get/Set the creative look.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0FA
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	ST(Standard)
0x0002	PT(Portrait)
0x0003	NT(Neutral)

Value	Description
0x0004	VV(Vivid)
0x0005	VV2(Vivid2)
0x0006	FL(Film)
0x0007	IN(Instant)
0x0008	SH(Soft Highkey)
0x0009	BW(Black&White)
0x000A	SE(Sepia)
0x000B	FL2(Film2)
0x000C	FL3(Film3)
0x0101	Custom Look 1
0x0102	Custom Look 2
0x0103	Custom Look 3
0x0104	Custom Look 4
0x0105	Custom Look 5
0x0106	Custom Look 6

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the image style with SDIO_GetDisplayStringList.

Creative Look Contrast

Summary

Get/Set the creative look contrast.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0FB
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set contrast for the creative look or custom look selected in "Creative Look."

Creative Look Highlights

Summary

Get/Set the creative look highlights.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0FC
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set highlights for the creative look or custom look selected in "Creative Look."

Creative Look Shadows

Summary

Get/Set the creative look shadows.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0FD
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set shadows for the creative look or custom look selected in "Creative Look."

Creative Look Fade

Summary

Get/Set the creative look fade.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0FE
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max

Value	Description
Variable	step

Note

Set fade for the creative look or custom look selected in "Creative Look."

Creative Look Saturation

Summary

Get/Set the creative look saturation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD0FF
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set saturation for the creative look or custom look selected in "Creative Look."

Creative Look Sharpness

Summary

Get/Set the creative look sharpness.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD100
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set sharpness for the creative look or custom look selected in "Creative Look."

Creative Look Sharpness Range

Summary

Get/Set the creative look sharpness range.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD101
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set sharpness range for the creative look or custom look selected in "Creative Look."

Creative Look Clarity

Summary

Get/Set the creative look clarity.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD102
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Set clarity for the creative look or custom look selected in "Creative Look."

Custom Look Image Style

Summary

Get/Set the custom look image style.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD103
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	ST(Standard)
0x0002	PT(Portrait)
0x0003	NT(Neutral)
0x0004	VV(Vivid)
0x0005	VV2(Vivid2)
0x0006	FL(Film)
0x0007	IN(Instant)
0x0008	SH(Soft Highkey)
0x0009	BW(Black&White)
0x000A	SE(Sepia)
0x000B	FL2(Film2)
0x000C	FL3(Film3)

Note

Set image style for custom look selected in "Creative Look."

Time Code Preset Reset Enable Status

Summary

Get the time code preset reset enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD104
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

User Bit Preset Reset Enable Status

Summary

Get the user bit preset reset enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD105
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Sensor Cleaning Enable Status

Summary

Get the sensor cleaning enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD106
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Reset Picture Profile Enable Status

Summary

Get the reset picture profile enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD107
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Reset Creative Look Enable Status

Summary

Get the reset creative look enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD108
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Proxy Record Setting

Summary

Get/Set the proxy record setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD109
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	Invalid
0x0001	16M 420 10bit
0x0002	9M 420 10bit
0x0003	6M 420 8bit

Interval REC (Movie) Count Down Interval Time

Summary

Get the interval recording (movie) count down interval time.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD11F
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0	min
0xFFFFFFFF	max
1	step

Note

The real value of the count down interval time.
e.g.) 0x00000001 = 1 sec
e.g.) 0x0000003C = 1 min

Recording Duration

Summary

Get the recording duration.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD120
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0	min
0xFFFFFFFF	max
1	step

Eframing Mode (Auto)

Summary

Get/Set the eframing mode (auto).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD124

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	Touch Kick
0x03	Time Sequence A
0x04	Time Sequence B

Flicker Less Shooting

Summary
Get/Set the flicker less shooting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD133
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Long Exposure NR

Summary

Get/Set the long exposure NR.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD15B
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

High ISO NR

Summary

Get/Set the high ISO NR.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD15C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	Low

Value	Description
0x03	Normal
0x04	High

HLG Still Image

Summary

Get/Set the HLG still image.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD15D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Color Space (Still Image)

Summary

Get/Set the color space (still image).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD15E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	sRGB
0x02	AdobeRGB

Bracket order

Summary

Get/Set the bracket order.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD166
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	0→-→+
0x02	-→0→+

Focus Bracket order

Summary

Get/Set the focus bracket order.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD167
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	0→-→+
0x02	0→+

Focus Bracket Exposure Lock 1st Img

Summary

Get/Set the focus bracket exposure lock 1st img.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD168
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Focus Bracket Interval Until Next Shot

Summary

Get/Set the focus bracket interval until next shot.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD169
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	1	UINT16	0x0000
CurrentValue	6	1	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	Invalid
0xFFFF	Shortest Interval
Other than above values	10times the real value of interval in seconds.

Note

The max value is 6553.5(0xFFFF)seconds≒1092minutes≒18hours.

Interval REC (Still) Shooting Start Time

Summary

Get/Set the interval recording (still) shooting start time.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD16A
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Note

The value is stored in seconds.
e.g.) 0x0003 = 3 sec
e.g.) 0x0005 = 5 sec
The max value is 6553.5(0xFFFF)seconds≒1092minutes≒18hours.

Interval REC (Still) Shooting Interval

Summary

Get/Set the interval recording (still) shooting interval.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD16B
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT16	0x00
CurrentValue	6	1	UINT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Note

The stored value is 10 times the real length of the interval in seconds.
The max value is 6553.5(0xFFFF)seconds≒1092minutes≒18hours.

Interval REC (Still) Number of Shots

Summary

Get/Set the interval recording (still) number of shots.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD16C
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Note

The value represents the number of shots.

Interval REC (Still) AE Tracking Sensitivity

Summary

Get/Set the interval recording (still) AE tracking sensitivity.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD16D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	Low
0x03	Mid
0x04	High

Interval REC (Still) Shutter Type

Summary

Get/Set the interval recording (still) shutter type.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD16E

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	Mechanical Shutter
0x03	Electronic Shutter

Interval REC (Still) Shoot Interval Priority

Summary

Get/Set the interval recording (still) shoot interval priority.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD16F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Wind Noise Reduct

Summary

Get/Set the wind noise reduction.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD171
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON
0x03	AUTO

Auto Slow Shutter

Summary

Get/Set the auto slow shutter.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD173
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

ISO Auto Min Shutter Speed Mode

Summary

Get/Set the ISO auto min shutter speed mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD14D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Preset
0x02	Manual

ISO Auto Min Shutter Speed Manual

Summary

Get/Set the ISO auto min shutter speed manual.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD176
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	8	UINT64	0x0000000000000000
CurrentValue	6	8	UINT64	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000000000000000	Invalid

Value	Description
Other than above values	The real value of shutter speed (Upper four bytes: numerator, Lower four bytes: denominator) In the case of the shutter speed is displayed as "Real Number" on the camera, the denominator is fixed 0x0000000A. e.g.) 0x0000000F0000000A: 0x0000000F (means 15) / 0x00000000A (means 10) = 1.5" In the case of the shutter speed is displayed as "Fraction Number" on the camera, the numerator is fixed 0x00000001. e.g.) 0x00000001000003E8: 0x00000001 (means 1) / 0x000003E8 (means 1000) = 1/1000

ISO Auto Min Shutter Speed Preset

Summary

Get/Set the ISO auto min shutter speed preset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD177
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Slower
0x02	Slow
0x03	Standard
0x04	Fast
0x05	Faster

Soft Skin Effect

Summary

Get/Set the soft skin effect.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD178
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	Low
0x03	Mid
0x04	High

Priority Set in AF-S

Summary

Get/Set the priority set in AF-S.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD179
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	AF
0x02	Release
0x03	Balanced Emphasis

Priority Set in AF-C

Summary

Get/Set the priority set in AF-C.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD17A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	AF
0x02	Release
0x03	Balanced Emphasis

Focus Magnification Time

Summary

Get/Set the focus magnification time.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD17B
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x02	2seconds

Value	Description
0x05	5seconds
0xFF	No Limit

Note

The Value gets/sets shooting magnification time in seconds.

Playback Volume Settings

Summary

Get/Set the playback volume settings.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD17C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Auto Review

Summary

Get/Set the auto review.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD17D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Off
Other than above values	The real value of Auto Review time in seconds.

Audio Signals

Summary

Get/Set the audio signals.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD17E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON
0x03	ON:Shutter Only
0x04	ON:W/O Shutter

HDMI Resolution (Still/Play)

Summary

Get/Set the HDMI resolution (still/play).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD17F
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT16	0x0000
CurrentValue	6	1	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	4320p/2160p
0x0002	2160p
0x0003	2160p/1080p
0x0004	1080p
0x0005	720p
0x0006	480p
0x0007	576p
0x0104	1080i
0x0106	480i
0x0107	576i
0xFFFF	Auto

HDMI Output Rec Media (Movie)

Summary

Get/Set the HDMI output recording media (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD180
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off (HDMI Only)
0x02	On

HDMI Output Resolution (Movie)

Summary

Get/Set the HDMI output resolution (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD181
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT16	0x00
CurrentValue	6	1	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	4320p/2160p
0x0002	2160p
0x0003	2160p/1080p
0x0004	1080p
0x0005	720p
0x0006	480p
0x0007	576p
0x0104	1080i
0x0106	480i
0x0107	576i
0xFFFF	Auto

HDMI Output 4K Set (Movie)

Summary

Get/Set the HDMI output 4K set (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD182
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT16	0x0000
CurrentValue	6	1	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	59.94p 10bit
0x0002	50.00p 10bit
0x0003	29.97p 10bit
0x0004	25.00p 10bit
0x0005	24.00p 10bit
0x0006	23.98p 10bit
0x0101	59.94p 8bit
0x0102	50.00p 8bit
0x0103	29.97p 8bit
0x0104	25.00p 8bit
0x0106	23.98p 8bit

HDMI Output RAW (Movie)

Summary

Get/Set the HDMI output RAW (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD183
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

HDMI Output Raw Setting (Movie)

Summary

Get/Set the HDMI output RAW setting (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD184
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT8	0x00
CurrentValue	6	2	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	59.94p
0x02	50.00p
0x03	29.97p
0x04	25.00p
0x05	24.00p
0x06	23.98p

HDMI Output Time Code (Movie)

Summary

Get/Set the HDMI output time code (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD186
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

HDMI Output REC Control (Movie)

Summary

Get/Set the HDMI output recording control (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD187
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Media SLOT3 Status

Summary

Get the media (slot 3) status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD18E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OK
0x02	No card
0x03	Card error
0x04	Card recognizing/Card locked and DB error
0x05	DB error
0x06	Card recognizing
0x07	Card locked and DB error
0x08	DB error (can't repair and need format)
0x09	Card error (Read Only Media)

Media SLOT3 Remaining shooting time

Summary

Get the remaining shooting time of media (slot 3).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD18F
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

The unit is second, the remaining time of movie recording.
This value is expressed in hexadecimal.

Media SLOT3 Rec Available Type

Summary

Get the media slot 3 recording available clip type.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD190
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	None
0x01	Main
0x02	Proxy
0x03	Main + Proxy

Media SLOT3 ProfileUrl

Summary

Get media slot 3 profile URL.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD191
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5		STR	""
CurrentValue	6		STR	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
String	Profile URL

Image Stabilization Steady Shot Adjust

Summary

Get/Set the image stabilization steady shot adjust.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD192
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Automatic
0x02	Manual

Image Stabilization Steady Shot Focal Length

Summary

Get/Set the image stabilization steady shot focal length.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD193
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0008	8mm
0x0009	9mm
0x000A	10mm
0x000B	11mm
0x000C	12mm
0x000D	13mm
0x000E	14mm
0x000F	15mm
0x0010	16mm
0x0011	17mm
0x0012	18mm
0x0013	19mm
0x0014	20mm
0x0015	21mm
0x0018	24mm
0x0019	25mm
0x001C	28mm
0x001E	30mm
0x0020	32mm
0x0023	35mm

Value	Description
0x0028	40mm
0x002D	45mm
0x0032	50mm
0x0037	55mm
0x003C	60mm
0x0046	70mm
0x004B	75mm
0x0050	80mm
0x0055	85mm
0x005A	90mm
0x0064	100mm
0x0069	105mm
0x0078	120mm
0x0087	135mm
0x0096	150mm
0x00B4	180mm
0x00C8	200mm
0x00D2	210mm
0x00FA	250mm
0x012C	300mm
0x015E	350mm
0x0190	400mm
0x01C2	450mm
0x01F4	500mm
0x0258	600mm
0x0320	800mm
0x03E8	1000mm

Auto FTP Transfer Target (Movie)

Summary
Get/Set the auto FTP transfer target (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD199

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	All
0x02	Only Shot Mark
0x03	Protect Only

FTP Transfer Target

Summary

Get/Set the FTP transfer target.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD19A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	JPEG/HEIF Only
0x02	RAW Only
0x03	RAW & JPEG/HEIF

FTP Transfer Target (Proxy)

Summary

Get/Set the FTP transfer target (proxy).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD14B
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Proxy Only
0x02	Original Only
0x03	Proxy & Original

FTP Power Save

Summary

Get/Set the FTP power save.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD14C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF

Value	Description
0x02	ON

ND Filter Unit Setting

Summary

Get/Set the ND filter unit setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD14E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Optical Density
0x02	Transmittance

Note

See "ND Filter Value(0xD01B)" when selecting the value of Transmittance.
See "ND Filter Optical Density Value(0xD14F)" when selecting the value of Optical Density.

ND Filter Optical Density Value

Summary

Get/Set the ND filter optical density value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD14F
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0xFFFF	nothing to display
Other than above values	100 times the real value of ND Filter Value e.g.) 0x00D2 = 210/100 = 2.1

Note

This value expressed in optical density.

USB Power Supply

Summary

Get/Set the USB power supply.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD150
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Interval REC (Movie) Frame Rate

Summary

Get/Set the interval recording (movie) frame rate.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD151
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x02	100p
0x04	50p
0x06	25p
0x08	23.98p
0x09	29.97p
0x0A	59.94p
0x16	24.00p
0x17	119.88p

Interval REC (Movie) Record Setting

Summary

Get/Set the interval recording (movie) record setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD152
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	Invalid
0x0026	600M 422 10bit
0x0027	500M 422 10bit
0x0028	400M 420 10bit
0x0029	300M 422 10bit
0x002A	280M 422 10bit
0x002B	250M 422 10bit
0x002C	240M 422 10bit
0x002D	222M 422 10bit
0x002E	200M 422 10bit
0x002F	200M 420 10bit
0x0030	200M 420 8bit
0x0031	185M 422 10bit
0x0032	150M 420 10bit
0x0033	150M 420 8bit
0x0034	140M 422 10bit
0x0035	111M 422 10bit
0x0036	100M 422 10bit
0x0037	100M 420 10bit
0x0038	100M 420 8bit
0x0039	93M 422 10bit
0x003A	89M 422 10bit
0x003B	75M 420 10bit
0x003C	60M 420 8bit
0x003D	50M 422 10bit
0x003E	50M 420 10bit
0x003F	50M 420 8bit
0x0040	45M 420 10bit
0x0041	30M 420 10bit
0x0042	25M 420 8bit
0x0043	16M 420 8bit
0x0044	520M 422 10bit
0x0045	260M 422 10bit

Eframing Recording Image Crop

Summary

Get/Set the fixed camera recording image crop.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD153
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Eframing HDMI Crop

Summary

Get/Set the fixed camera HDMI crop.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD154
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Subject Recognition in AF

Summary

Get/Set the subject recognition in AF.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD157
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Recognition Target

Summary

Get/Set the recognition target.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD158
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Person
0x0002	Animal + Bird

Value	Description
0x0003	Animal
0x0004	Bird
0x0005	Insect
0x0006	Car/Train
0x0007	Plane
0xFFFF	Auto

Right/Left Eye Select

Summary

Get/Set the right/left eye select.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD159
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Auto
0x02	Right Eye
0x03	Left Eye

Recording Media (Still Image)

Summary

Get/Set the recording media (still image).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD15F
Datatype	2	2	UINT16	0x0004(UINT16)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT16	0x0000
CurrentValue	6	1	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Slot1
0x0002	Slot2
0x0101	Simultaneous recording
0x0102	Sort Recording

Recording Media (Movie)

Summary

Get/Set the recording media (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD160
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT16	0x0000
CurrentValue	6	1	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Slot 1
0x0002	Slot 2
0x0101	Simultaneous recording

Auto Switch Media

Summary

Get/Set the auto switch media.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD161
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Camera Shake Status

Summary

Get the camera shake status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD194
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	No Error
0x02	Error

Update Body Status

Summary

Get the update body status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD195
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	No error
0x0101	Other errors
0x0102	No update body file in media
0x0103	File version older
0x0104	File damaged
0x0105	File invalid data
0x0106	File model not match
0x0107	File region not match
0x0108	File version not match
0x0109	Low battery
0x010A	Unsupported battery

Media SLOT1 Writing State

Summary

Get the media slot 1 writing state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD197
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Not writing
0x02	Contents writing

Media SLOT2 Writing State

Summary

Get the media slot 2 writing state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD198
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Not writing
0x02	Contents writing

Focus Driving Status (Absolute)

Summary

Get the focus driving status (absolute).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD19C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Not Driving
0x02	Driving

Note

"Driving (0x02)" is set for this device property throughout the short Focus Driving period.
"Not Driving (0x01)" is set for this device property except during the short Focus Driving period.
"Driving (0x02)" may be set for this device property during the period from the time when the Focus Driving request is received to the time when the focus acutally drives.
This device property only reflects the Focus Driving Status derived from "Load Zoom and Focus Position (0xD2EA)" and from "Focus Position Setting (0xE042)."

Zoom Driving Status (Absolute)

Summary

Get the zoom driving status (absolute).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD19D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Not Driving
0x02	Driving

Note

"Driving (0x02)" is set for this device property throughout the short Zoom Driving period.
"Not Driving (0x01)" is set for this device property except during the short Zoom Driving period.
"Driving (0x02)" may be set for this device property during the period from the time when the Zoom Driving request is received to the time when the zoom acutally drives.
This device property only reflects the Focus Driving Status derived from "Load Zoom and Focus Position (0xD2EA)."

ISO Auto Range Limit (min)

Summary

Get/Set the ISO auto range limit (min).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD1B6
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description

Note

The value is same as "ISO Sensitivity (0xD21E)."
If the minimum value (0xD1B6) exceeds the maximum value (0xD1B7), the maximum is set equal to the minimum.

ISO Auto Range Limit (max)

Summary

Get/Set the ISO auto range limit (max).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD1B7
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT32	0x00000000
CurrentValue	6	1	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description

Note

The value is same as "ISO Sensitivity (0xD21E)."
If the maximum value (0xD1B7) is less than the minimum value (0xD1B6), the minimum is set equal to the maximum.

Flash Compensation

Summary

Get/Set the flash compensation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD200
Datatype	2	2	UINT16	0x0003(INT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
Any	The value is obtained by multiplying a real Flash Compensation value by 1000. e.g.) 0xEC78 = -5000 (means -5.0Ev) 0x0000 = 0 (means 0.0Ev) 0x1388 = 5000 (means 5.0Ev)

Dynamic Range Optimizer

Summary

Get/Set the dynamic range optimizer.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD201
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	DRO OFF
0x02	DRO
0x10	DRO+
0x11	DRO + Manual1
0x12	DRO + Manual2
0x13	DRO + Manual3
0x14	DRO + Manual4
0x15	DRO + Manual5
0x1F	DRO AUTO
0x20	HDR AUTO
0x21	HDR 1.0Ev
0x22	HDR 2.0Ev
0x23	HDR 3.0Ev
0x24	HDR 4.0Ev
0x25	HDR 5.0Ev
0x26	HDR 6.0Ev

Image Size

Summary

Get/Set the image size.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD203
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	L
0x02	M
0x03	S
0x04	24M
0x05	16M
0x06	13M
0x07	11M
0x08	8.4M
0x09	6.1M
0x0A	6M
0x0B	5.6M
0x0C	4M
0x0D	2.6M
0x0E	21M
0x0F	20M
0x10	10M
0x11	9.2M
0x12	8.7M
0x13	6.9M
0x14	4.6M
0x15	4.1M
0x16	4M
0x17	3.9M
0x18	3.1M
0x19	VGA

Shutter Speed

Summary

Get/Set the shutter speed.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD20D
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumlation)

Value

Value	Description
0x00000000	BULB
0xFFFFFFFF	nothing to display
Other than above values	The real value of shutter speed (Upper two bytes: numerator, Lower two bytes: denominator) In the case of the shutter speed is displayed as "Real Number" on the camera, the denominator is fixed 0x000A. e.g.) 0x000F000A: 0x000F (means 15) / 0x0000A (means 10) = 1.5" In the case of the shutter speed is displayed as "Fraction Number" on the camera, the numerator is fixed 0x0001. e.g.) 0x000103E8: 0x0001 (means 1) / 0x03E8 (means 1000) = 1/1000

Note

The host should send SDIO_ControlDevice to change this value from the host application
min: 0x00000000
max: 0xFFFFFFFF
step: 0x00000001

Battery Level Indicator

Summary

Get the battery level indicator.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD20E

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Fake Battery
0x02	Unusable
0x03	Pre-End Battery
0x04	Battery Level 1/4
0x05	Battery Level 2/4
0x06	Battery Level 3/4
0x07	Battery Level 4/4
0x08	Battery Level 1/3
0x09	Battery Level 2/3
0x0A	Battery Level 3/3
0x0B	Pre-End Battery with USB Bus Power Supply
0x0C	Battery Level 1/4 with USB Bus Power Supply
0x0D	Battery Level 2/4 with USB Bus Power Supply
0x0E	Battery Level 3/4 with USB Bus Power Supply
0x0F	Battery Level 4/4 with USB Bus Power Supply
0x10	USB Bus Power Supply
0xFF	Battery Not Installed

Color Temperature

Summary

Get/Set the color temperature.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD20F
Datatype	2	2	UINT16	0x0004(UINT16)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x09C4(2500K)	min
0x26AC(9900K)	max
0x0064(100K)	step

Note

The special CurrentValues are the following.

- 0x0000 means less than 2500K.
- 0xFFFF means greater than 9900K.
  These values are not included the value of Range (they are only used as CurrentValue).

Biaxial Fine-Tuning G-M Direction

Summary

Get/Set the biaxial fine-tuning G-M direction.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD210
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x9C(M9_00)	min
0xE4(G9_00)	max
0x01(0.25)	step

Aspect Ratio

Summary

Get/Set the aspect ratio.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD211
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	3:02
0x02	16:09
0x03	4:03
0x04	1:01

Focus Indication

Summary

Get the focus indication.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD213
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Unlock
0x02	●[AF-S]Focused, and AF Locked State
0x03	●[AF-S]Not Focused, and Low Contrast State
0x04	Not Used
0x05	(( ))[AF-C]Tracking Subject motion
0x06	((●))[AF-C]Focused State
0x07	((●)[AF-C]Not Focused, and Low Contrast State
0x08	Unpause
0x09	Pause

Note

Limitation notice: This device property does not work if HDMI is never outputted on the ILX-LR1 (Ver. 1.00). Please use SDIE_AFStatus instead.

Predicted Maximum File Size

Summary

Get the predicted maximum file size.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD214
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

This value is followed by the current settings.

Shooting File Info

Summary

Get the shooting file info.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD215
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x0000	min
0xFFFF	max
0x0001	step

Note

0x0000: Transferable file does not exit
0x0001-0x7FFF: File exists
If the value is over 0x8001 (MSB is 0b01), the host can send GetObjectInfo/GetObject to get the shot files.

AELock Indication

Summary

Get the AE lock indication.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD217
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Unlocked
0x02	Locked

Battery Remaining

Summary

Get the battery remaining (%).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD218
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	INT8	0x00
CurrentValue	6	1	INT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0xFF (untaken)	min
0x64 (100%)	max
0x01	step

Picture Effect

Summary

Get/Set the picture effect value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD21B
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)

262

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x8000	OFF
0x8001	Toy Camera Normal
0x8002	Toy Camera Cool
0x8003	Toy Camera Warm
0x8004	Toy Camera Green
0x8005	Toy Camera Magenta
0x8010	Pop Color
0x8020	Posterization B/W
0x8021	Posterization Color
0x8030	Retro Photo
0x8040	Soft High-key
0x8050	Partial Color Red
0x8051	Partial Color Green
0x8052	Partial Color Blue
0x8053	Partial Color Yellow
0x8060	High Contrast Mono
0x8070	Soft Focus Low
0x8071	Soft Focus Mid
0x8072	Soft Focus High
0x8080	HDR Painting Low
0x8081	HDR Painting Mid
0x8082	HDR Painting High
0x8090	Rich-tone Mono
0x80A0	Miniature Auto
0x80A1	Miniature Top
0x80A2	Miniature Middle(Horizontal
0x80A3	Miniature Bottom
0x80A4	Miniature Right

Value	Description
0x80A5	Miniature Middle(Vertical)
0x80A6	Miniature Left
0x80B0	Miniature Wator Color
0x80C0	Miniature Illustration Low
0x80C1	Miniature Illustration Mid
0x80C2	Miniature Illustration High

Biaxial Fine-Tuning A-B Direction

Summary

Get/Set the biaxial fine-tuning A-B direction.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD21C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x9C (B9_00)	min
0xE4 (A9_00)	max
0x01 (0.25)	step

Note

The AB value sent to PC App from the camera corresponds to one of the following patterns:
AB number is BY or AY, where Y is a decimal from 0.00 to 9.00 and increments by 0.25.
ex) B9.00 (0x9C), B8.75 (0x9D), ..., A8.75 (0xE3), A9.00 (0xE4).

Movie Recording State

Summary

Get the movie recording state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD21D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00	Not Recording
0x01	Recording
0x02	Recording Failed
0x03	Waiting Record

Note

"Waiting Record" (0x03) is not record during "Interval REC (movie)" recording.

ISO Sensitivity

Summary

Get/Set the ISO sensitivity.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD21E
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT32	0x00000000
CurrentValue	6	2	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000000A	ISO 10

Value	Description
0x0000000C	ISO 12
0x00000010	ISO 16
0x00000014	ISO 20
0x00000019	ISO 25
0x00000020	ISO 32
0x00000028	ISO 40
0x00000032	ISO 50
0x00000040	ISO 64
0x00000050	ISO 80
0x00000064	ISO 100
0x0000007D	ISO 125
0x000000A0	ISO 160
0x000000C8	ISO 200
0x000000FA	ISO 250
0x00000140	ISO 320
0x00000190	ISO 400
0x000001F4	ISO 500
0x00000280	ISO 640
0x00000320	ISO 800
0x000003E8	ISO 1000
0x000004E2	ISO 1250
0x00000640	ISO 1600
0x000007D0	ISO 2000
0x000009C4	ISO 2500
0x00000C80	ISO 3200
0x00000FA0	ISO 4000
0x00001388	ISO 5000
0x00001900	ISO 6400
0x00001F40	ISO 8000
0x00002710	ISO 10000
0x00003200	ISO 12800
0x00003E80	ISO 16000
0x00004E20	ISO 20000
0x00006400	ISO 25600
0x00007D00	ISO 32000

Value	Description
0x00009C40	ISO 40000
0x0000C800	ISO 51200
0x0000FA00	ISO 64000
0x00013880	ISO 80000
0x00019000	ISO 102400
0x0001F400	ISO 128000
0x00027100	ISO 160000
0x00032000	ISO 204800
0x0003E800	ISO 256000
0x0004E200	ISO 320000
0x00064000	ISO 409600
0x0007D000	ISO 512000
0x0009C400	ISO 640000
0x000C8000	ISO 819200
0x00FFFFFF	ISO AUTO
0x0100000A	Multi Frame NR ISO 10
0x0100000C	Multi Frame NR ISO 12
0x01000010	Multi Frame NR ISO 16
0x01000014	Multi Frame NR ISO 20
0x01000019	Multi Frame NR ISO 25
0x01000020	Multi Frame NR ISO 32
0x01000028	Multi Frame NR ISO 40
0x01000032	Multi Frame NR ISO 50
0x01000040	Multi Frame NR ISO 64
0x01000050	Multi Frame NR ISO 80
0x01000064	Multi Frame NR ISO 100
0x0100007D	Multi Frame NR ISO 125
0x010000A0	Multi Frame NR ISO 160
0x010000C8	Multi Frame NR ISO 200
0x010000FA	Multi Frame NR ISO 250
0x01000140	Multi Frame NR ISO 320
0x01000190	Multi Frame NR ISO 400
0x010001F4	Multi Frame NR ISO 500
0x01000280	Multi Frame NR ISO 640
0x01000320	Multi Frame NR ISO 800

Value	Description
0x010003E8	Multi Frame NR ISO 1000
0x010004E2	Multi Frame NR ISO 1250
0x01000640	Multi Frame NR ISO 1600
0x010007D0	Multi Frame NR ISO 2000
0x010009C4	Multi Frame NR ISO 2500
0x01000C80	Multi Frame NR ISO 3200
0x01000FA0	Multi Frame NR ISO 4000
0x01001388	Multi Frame NR ISO 5000
0x01001900	Multi Frame NR ISO 6400
0x01001F40	Multi Frame NR ISO 8000
0x01002710	Multi Frame NR ISO 10000
0x01003200	Multi Frame NR ISO 12800
0x01003E80	Multi Frame NR ISO 16000
0x01006400	Multi Frame NR ISO 25600
0x0100C800	Multi Frame NR ISO 51200
0x01019000	Multi Frame NR ISO 102400
0x01032000	Multi Frame NR ISO 204800
0x01064000	Multi Frame NR ISO 409600
0x010C8000	Multi Frame NR ISO 819200
0x01FFFFFF	Multi Frame NR ISO AUTO
0x0200000A	Multi Frame NR High ISO 10
0x0200000C	Multi Frame NR High ISO 12
0x02000010	Multi Frame NR High ISO 16
0x02000014	Multi Frame NR High ISO 20
0x02000019	Multi Frame NR High ISO 25
0x02000020	Multi Frame NR High ISO 32
0x02000028	Multi Frame NR High ISO 40
0x02000032	Multi Frame NR High ISO 50
0x02000040	Multi Frame NR High ISO 64
0x02000050	Multi Frame NR High ISO 80
0x02000064	Multi Frame NR High ISO 100
0x0200007D	Multi Frame NR High ISO 125
0x020000A0	Multi Frame NR High ISO 160
0x020000C8	Multi Frame NR High ISO 200
0x020000FA	Multi Frame NR High ISO 250

Value	Description
0x02000140	Multi Frame NR High ISO 320
0x02000190	Multi Frame NR High ISO 400
0x020001F4	Multi Frame NR High ISO 500
0x02000280	Multi Frame NR High ISO 640
0x02000320	Multi Frame NR High ISO 800
0x020003E8	Multi Frame NR High ISO 1000
0x020004E2	Multi Frame NR High ISO 1250
0x02000640	Multi Frame NR High ISO 1600
0x020007D0	Multi Frame NR High ISO 2000
0x020009C4	Multi Frame NR High ISO 2500
0x02000C80	Multi Frame NR High ISO 3200
0x02000FA0	Multi Frame NR High ISO 4000
0x02001388	Multi Frame NR High ISO 5000
0x02001900	Multi Frame NR High ISO 6400
0x02001F40	Multi Frame NR High ISO 8000
0x02002710	Multi Frame NR High ISO 10000
0x02003200	Multi Frame NR High ISO 12800
0x02003E80	Multi Frame NR High ISO 16000
0x02006400	Multi Frame NR High ISO 25600
0x0200C800	Multi Frame NR High ISO 51200
0x02019000	Multi Frame NR High ISO 102400
0x02032000	Multi Frame NR High ISO 204800
0x02064000	Multi Frame NR High ISO 409600
0x020C8000	Multi Frame NR High ISO 819200
0x02FFFFFF	Multi Frame NR High ISO AUTO

Note

To specify extended ISO values, add an offset value 0x10000000.

FELock Indication

Summary

Get the FE lock indication.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD21F

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Unlocked
0x02	Locked

Live View Status

Summary

Get the live view status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD221
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Live View Supported but Disabled: If this value is set, the host should not get the LiveView Image.
0x01	Live View Supported and Enabled: The host can get the LiveView Image and activate LiveView button if have.
0x02	Live View Not Supported: Just definition, if the camera doesn't support Liveview, the host can't get this property by any operation.

Still Image Save Destination

Summary

Get the information of still image save destination.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD222
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x0000
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Host Device (e.g., PC)
0x0010	Camera (Memory Card)
0x0011	Host Device & Camera (Memory Card)

Date/Time Setting

Summary

Set the date and time.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD223
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5		STR	variable
CurrentValue	6		STR	variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
"YYYYMMDDThhmmss.s±hhmm"	

Note

Indicate by the character string in the date and time form provided by ISO8601.
The details of the data type can be found in the PIMA15740 DataTime Strings.
This device property is write-only. CurrentValue and DefaultValue are string data with a size of zero.
Valid values from 2016/1/1.

Some models cannot be set to GMT. Please set your camera to GMT in the menu setting beforehand.
Perform an operational check when using the camera.

Focus Area

Summary

Get/Set the focus area.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD22C
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT8	0x0000
CurrentValue	6	2	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	Unknown
0x0001	Wide
0x0002	Zone
0x0003	Center
0x0101	Flexible Spot S
0x0102	Flexible Spot M
0x0103	Flexible Spot L
0x0104	Expand Flexible Spot
0x0105	Flexible Spot
0x0106	Flexible Spot XS
0x0107	Flexible Spot XL
0x1101	Flexible Spot Free Size 1
0x1102	Flexible Spot Free Size 2
0x1103	Flexible Spot Free Size 3

Value	Description
0x0201	Lock on AF Wide
0x0202	Lock on AF Zone
0x0203	Lock on AF Center
0x0204	Lock on AF Flexible Spot S
0x0205	Lock on AF Flexible Spot M
0x0206	Lock on AF Flexible Spot L
0x0207	Lock on Expand Flexible Spot
0x0208	Lock on AF Flexible Spot
0x0209	Lock on AF Flexible Spot XS
0x020A	Lock on AF Flexible Spot XL
0x1201	Lock on AF Flexible Spot Free Size 1
0x1202	Lock on AF Flexible Spot Free Size 2
0x1203	Lock on AF Flexible Spot Free Size 3

Live View Display Effect

Summary
Get/Set the live view display effect.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD231
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Unknown
0x01	Setting Effect ON
0x02	Setting Effect OFF

Near/Far Enable Status

Summary

Get the near/far enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD235
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disabled
0x01	Enabled

Pixel Shift Shooting Mode

Summary

Get the pixel shift shooting mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD239
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Off
0x01	Burst Shooting

Pixel Shift Shooting Number

Summary

Get/Set the pixel shift shooting number.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD23A
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0001
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	1 Sheet
0x0004	4 Sheets
0x0010	16 Sheets

Note

When setting this device property, do not use other than "1 Sheet" (0x0001) and "4 Sheets" (0x0004).

Pixel Shift Shooting Interval

Summary

Get/Set the pixel shift shooting interval.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD23B
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	0 sec.
0x0001	1 sec.
0x0002	2 sec.
0x0003	3 sec.
0x0004	4 sec.
0x0005	5 sec.
0x000A	10 sec.
0x000F	15 sec.
0x001E	30 sec.
0xFFFF	Shortest Interval

Pixel Shift Shooting Status

Summary

Get the pixel shift shooting status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD23C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Not Shooting
0x01	Shooting

Note

"Shooting" (0x01) is set in this device property during the trinity shooting period.
"Not Shooting" (0x00) is set for this device property except during the trinity shooting period.

Progress Number of Pixel Shift Shooting

Summary

Get the progress number of pixel shift shooting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD23D
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0001
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	1st shooting
0x0002	2nd shooting
0x0003	3rd shooting
0x0004	4th shooting
0x0005	5th shooting
0x0006	6th shooting
0x0007	7th shooting
0x0008	8th shooting
0x0009	9th shooting
0x000A	10th shooting
0x000B	11th shooting
0x000C	12th shooting
0x000D	13th shooting
0x000E	14th shooting
0x000F	15th shooting
0x0010	16th shooting

Note

This value starts from 1 (meaning the 1st shooting) and counts up to the value of Pixel Shift Shooting Number.

Picture Profile

Summary

Get/Set the picture profile.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD23F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Picture Profile OFF
0x01	Picture Profile number 1
0x02	Picture Profile number 2
0x03	Picture Profile number 3
0x04	Picture Profile number 4
0x05	Picture Profile number 5
0x06	Picture Profile number 6
0x07	Picture Profile number 7
0x08	Picture Profile number 8
0x09	Picture Profile number 9
0x0A	Picture Profile number 10
0x0B	Picture Profile number 11
0x41	Picture Profile LUT number 1
0x42	Picture Profile LUT number 2
0x43	Picture Profile LUT number 3
0x44	Picture Profile LUT number 4

Creative Style

Summary

Get/Set the creative style.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD240
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Standard
0x02	Vivid
0x03	Portrait
0x04	Landscape
0x05	Sunset
0x06	B/W (Black & White)
0x07	Light
0x08	Neutral
0x09	Clear
0x0A	Deep
0x0B	Night View
0x0C	Autumn Leaves
0x0D	Sepia
0x0E	Creative BOX1
0x0F	Creative BOX2
0x10	Creative BOX3
0x11	Creative BOX4
0x12	Creative BOX5
0x13	Creative BOX6

File Format (Movie)

Summary

Get/Set the file format (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD241
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	DVD
0x02	M2PS
0x03	AVCHD
0x04	MP4
0x05	DV
0x06	XAVC
0x07	MXF
0x08	XAVC S 4K
0x09	XAVC S HD
0x0A	XAVC HS 8K
0x0B	XAVC HS 4K
0x0C	XAVC S-L 4K
0x0D	XAVC S-L HD
0x0E	XAVC S-I 4K
0x0F	XAVC S-I HD
0x10	XAVC I
0x11	XAVC L
0x12	XAVC Proxy
0x13	XAVC HS HD
0x14	XAVC S-I DCI 4K
0x15	XAVC H-I HQ
0x16	XAVC H-I SQ
0x17	XAVC H-L
0x18	X-OCN XT
0x19	X-OCN ST

Value	Description
0x1A	X-OCN LT
0x1B	XAVC HS-L 422
0x1C	XAVC HS-L 420
0x1D	XAVC S-L 422
0x1E	XAVC S-L 420
0x1F	XAVC S-I 422

Recording Setting (Movie)

Summary

Get/Set the recording setting (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD242
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	60p 50M / XAVC S
0x0002	30p 50M / XAVC S
0x0003	24p 50M / XAVC S
0x0004	50p 50M / XAVC S
0x0005	25p 50M / XAVC S
0x0006	60i 24M(FX) / AVCHD
0x0007	50i 24M(FX) / AVCHD
0x0008	60i 17M(FH) / AVCHD
0x0009	50i 17M(FH) / AVCHD
0x000A	60p 28M(PS) / AVCHD
0x000B	50p 28M(PS) / AVCHD
0x000C	24p 24M(FX) / AVCHD

Value	Description
0x000D	25p 24M(FX) / AVCHD
0x000E	24p 17M(FH) / AVCHD
0x000F	25p 17M(FH) / AVCHD
0x0010	120p 50M (1280x720) / XAVC S
0x0011	100p 50M (1280x720) / XAVC S
0x0012	1920x1080 30p 16M / MP4
0x0013	1920x1080 25p 16M / MP4
0x0014	1280x720 30p 6M / MP4
0x0015	1280x720 25p 6M / MP4
0x0016	1920x1080 60p 28M / MP4
0x0017	1920x1080 50p 28M / MP4
0x0018	60p 25M / XAVC S HD
0x0019	50p 25M / XAVC S HD
0x001A	30p 16M / XAVC S HD
0x001B	25p 16M / XAVC S HD
0x001C	120p 100M (1920x1080) / XAVC S HD
0x001D	100p 100M (1920x1080) / XAVC S HD
0x001E	120p 60M (1920x1080) / XAVC S HD
0x001F	100p 60M (1920x1080) / XAVC S HD
0x0020	30p 100M / XAVC S 4K
0x0021	25p 100M / XAVC S 4K
0x0022	24p 100M / XAVC S 4K
0x0023	30p 60M / XAVC S 4K
0x0024	25p 60M / XAVC S 4K
0x0025	24p 60M / XAVC S 4K
0x0026	600M 422 10bit
0x0027	500M 422 10bit
0x0028	400M 420 10bit
0x0029	300M 422 10bit
0x002A	280M 422 10bit
0x002B	250M 422 10bit
0x002C	240M 422 10bit
0x002D	222M 422 10bit
0x002E	200M 422 10bit
0x002F	200M 420 10bit

Value	Description
0x0030	200M 420 8bit
0x0031	185M 422 10bit
0x0032	150M 420 10bit
0x0033	150M 420 8bit
0x0034	140M 422 10bit
0x0035	111M 422 10bit
0x0036	100M 422 10bit
0x0037	100M 420 10bit
0x0038	100M 420 8bit
0x0039	93M 422 10bit
0x003A	89M 422 10bit
0x003B	75M 420 10bit
0x003C	60M 420 8bit
0x003D	50M 422 10bit
0x003E	50M 420 10bit
0x003F	50M 420 8bit
0x0040	45M 420 10bit
0x0041	30M 420 10bit
0x0042	25M 420 8bit
0x0043	16M 420 8bit
0x0044	520M 422 10bit
0x0045	260M 422 10bit

Media SLOT1 Status

Summary

Get the media (SLOT1) status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD248
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable

283

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OK
0x02	No Card
0x03	Card Error
0x04	Card Recognizing / Card Locked and DB Error
0x05	DB Error
0x06	Card Recognizing
0x07	Card Locked and DB Error
0x08	DB Error (Cannot Repair and Need Format)
0x09	Card Error (Read-Only Media)

Media SLOT1 Remaining number shots

Summary

Get the remaining number shots of media (SLOT1).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD249
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

The unit is the remaining number of shots.
This value expressed as hexadecimal.

Media SLOT1 Remaining shooting time

Summary

Get the remaining shooting time of media (SLOT1).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD24A
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

The unit is seconds, and the remaining time of the movie recording.
This value is expressed as hexadecimal.

Focal position

Summary

Get the focal position.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD24C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00	min
0x64	max
0x01	step

AWBLock Indication

Summary

Get the AWB lock indication.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD24E
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Unlocked
0x02	Locked

Interval REC (Still) Mode

Summary

Get/Set the interval REC (still) mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD24F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Interval REC (Still) Status

Summary

Get the interval REC (still) status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD250
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Waiting Start
0x01	Interval Shooting

Device Overheating State

Summary

Get the device overheating state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD251
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00	min
0x02	max
0x01	step

Note

Each value means:

- 0x00: Not Overheating
- 0x01: Pre Overheating
- 0x02: Overheating

Still Image Quality

Summary

Get/Set the still image quality.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD252
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Extra Fine
0x02	Fine
0x03	Standard
0x04	Light

File Format (Still)

Summary

Get/Set the file format (still).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD253
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	RAW
0x02	RAW+JPEG
0x03	JPEG
0x04	RAW+HEIF
0x05	HEIF

Focus Magnifier Setting

Summary

Get/Set the focus magnifier setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD254
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	8	UINT64	0x0000000000000000
CurrentValue	6	8	UINT64	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000000000000000 ~ 0xFFFFFFFFFFFFFFFF	Focus Magnifier Ratio [Upper 4bytes]

Note

The focus magnifier ratio (upper 4 bytes) is an integer value multiplying the focus magnifier ratio by 10.
If the focus magnifier ratio is x2.0, set 0x00000014.
0x00000000 means that the focus magnifier is off.

Regarding focus magnifier position (x,y) (lower 4 bytes), the x-coordinate is set in the upper two bytes and the y-coordinate is set in the lower two bytes.
If the focus magnifier position (x) is 150, (y) is 100, set 0x00960064. 0x0096 = 0d150, 0x0064 = 0d100
The range of X is 0 to 639 (0x027F), and the range of Y is 0 to 479 (0x01DF).
In the enum values, the Focus Magnifier Position (x, y) sets 0xFFFFFFFF as an invalid value.
Ex.) If the camera supports off, x1.0, x4.0 and x8.0 as focus magnifier ratio, the enum values are as follows:
Enum value[0] = 0x00000000FFFFFFFF (means off)
Enum value[1] = 0x0000000AFFFFFFFF (means x1.0)
Enum value[2] = 0x00000028FFFFFFFF (means x4.0)
Enum value[3] = 0x00000050FFFFFFFF (means x8.0)

AF Tracking Sensitivity (Still)

Summary

Get/Set the AF tracking sensitivity (still).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD255
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x05	5 (Responsive)
0x04	4
0x03	3 (Standard)

Value	Description
0x02	2
0x01	1 (Locked on)

Media SLOT2 Status

Summary

Get the media (SLOT2) status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD256
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OK
0x02	No Card
0x03	Card Error
0x04	Card Recognizing / Card Locked and DB Error
0x05	DB Error
0x06	Card Recognizing
0x07	Card Locked and DB Error
0x08	DB Error (Cannot Repair and Need Format)
0x09	Card Error (Read-Only Media)

Note

This device property is not available if the camera does not support the target media slot.

Media SLOT2 Remaining number shots

Summary

Get the remaining number shots of media (SLOT2).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD257
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

This device property is not available if the camera does not support the target media slot.
The unit is the remaining number of shots.
This value is expressed as hexadecimal.

Media SLOT2 Remaining shooting time

Summary

Get the remaining shooting time of media (SLOT2).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD258
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min

Value	Description
0xFFFFFFFF	max
0x00000001	step

Note

This device property is not available if the camera does not support the target media slot.
The unit is seconds, and the remaining time of the movie recording.
This value is expressed as hexadecimal.

Position Key Setting

Summary

Get/Set the position key setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD25A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Camera position priority
0x01	PC Remote setting priority

Note

This value will be set to 0x00 when the session is closed.

Zoom Operation Enable Status

Summary

Get the zoom operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD25B

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Zoom Scale

Summary

Get/Set the zoom scale.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD25C
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Note

Min/max/step is variable. This value should be multiplied by 0.001.
Step varies as the camera's condition changes. ex) 1.0→1.2→1.4→... = 200
Set the values multiplied by step to min/max/value. ex) min=1000, max=8000, step=200, value=0:
1200 (min=x1.0, max=8.0, value=x1.2

Zoom Bar Information

Summary

Get the zoom bar information.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD25D
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
-	See the Note below

Note

The current value contains the following values:

- Value 1 (31-24): Total box number
- Value 2 (23-16): Current box number
- Value 3 (15-0): Zoom position in current box

Total box number = 3

Current box number = 1

50%
Zoom position in Current Box = 50
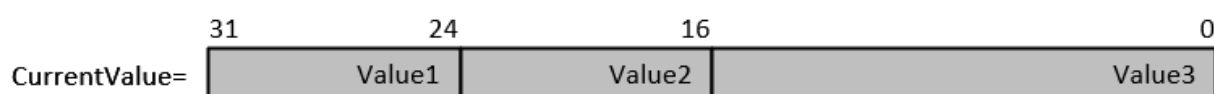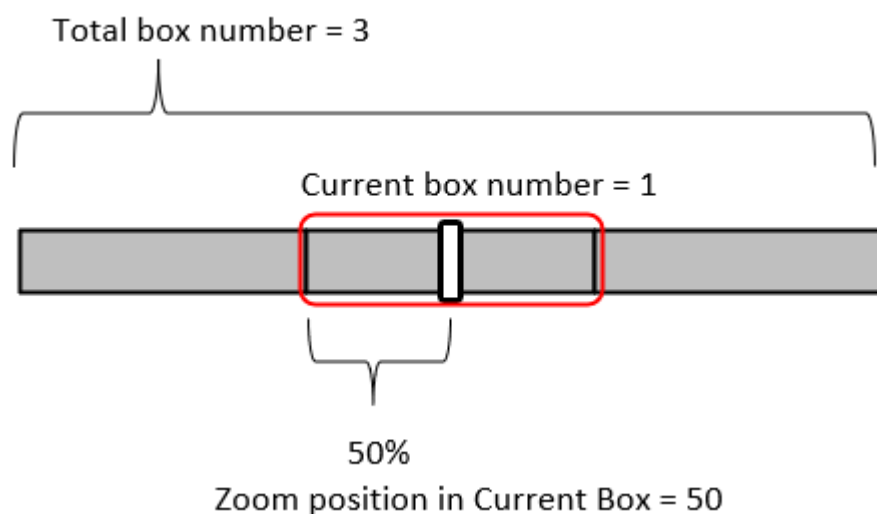
Value 1

Value	Description	Comment
0	min	Total box number
0xFF	max	Total box number
1	step	Total box number

Value 2

Value	Description	Comment
0	min	Current box number
0xFF	max	Current box number
1	step	Current box number

Value 3

Value	Description	Comment
0x00	min	Zoom position in current box
0x64	max	Zoom position in current box
0x01	step	Zoom position in current box

Zoom Speed Range

Summary

Get the zoom speed range.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD25E
Datatype	2	2	UINT16	0x0001(INT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	N/A (0x00)
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
1	step

Note

Current parameter is fixed at 0.
The range of the parameters is the same as the range of Zoom Operation.

Zoom Setting

Summary

Get/Set the zoom setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD25F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Optical zoom only
0x02	Smart zoom only

Value	Description
0x03	On: Clear Image Zoom
0x04	On: Digital Zoom

Zoom Type Status

Summary

Get the zoom type status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD260
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Optical Zoom
0x02	Smart Zoom
0x03	Clear Image Zoom
0x04	Digital Zoom

Wireless Flash Setting

Summary

Get/Set the wireless flash setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD262
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	off
0x01	on

Red Eye Reduction

Summary

Get/Set the red eye reduction.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD263
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	off
0x01	on

Remote Control Restriction Status

Summary

Get the remote control restriction status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD264
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disabled (No restrictions)
0x01	Enabled (Not support mode)

Live View Area (x, y)

Summary

Get the live view area (x, y).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD267
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	N/A (fixed 0x00000000)
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

The device can get the effective range of live view with this property.
The device must set the coordinates within this range when setting the coordinates with
SDIO_SetExtDevicePropValue (0x9205) or SDIO_ControlDevice (0x9207).
The x-coordinate is set in the upper two bytes and the y-coordinate is set in the lower two bytes
This value does not depend on the aspect ratio of the camera.
The current value is not available (fixed 0x00000000).

Still Image Trans Size

Summary

Get/Set the still image trans size.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD268
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Original
0x02	Small Size JPEG

RAW+J PC Save Image

Summary

Get/Set the RAW+J PC save image.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD269
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	RAW & JPEG
0x02	JPEG Only

Value	Description
0x03	RAW Only
0x04	RAW & HEIF
0x05	HEIF Only

Live View Image Quality

Summary

Get/Set the live view image quality.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD26A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Low
0x02	High

Note

This device property controls the data size of live view images.
This may affect the width and height of live view images.

Custom WB Capturable Area (x, y)

Summary

Get the custom WB capturable area (x, y).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD26B
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	N/A (fixed 0x00000000)
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

The device can get the capturable area of Custom WB Capturing with this property.
The device needs to set coordinates within this range when setting the coordinates with
SDIO_SetExtDevicePropValue (0x9205) or SDIO_ControlDevice (0x9207).
The x-coordinate is set in the upper two bytes and the y-coordinate is set in the lower two bytes.
This value does not depend on an aspect ratio of the camera.
The current value is not available (fixed 0x00000000).

Custom WB Capture Frame Size (x, y)

Summary

Get the custom WB capture frame size (x, y).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD26C
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	N/A (fixed 0x00000000)
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
0x00000001	step

Note

The x-coordinate is set in the upper two bytes and the y-coordinate is set in the lower two bytes.
This value does not depend on the aspect ratio of the camera.
The current value is not available (fixed 0x00000000).

Custom WB Capture Standby Operation

Summary

Get the custom WB capture standby operation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD26D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Custom WB Capture Standby Cancel Operation

Summary

Get the custom WB capture standby cancel operation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD26E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Custom WB Capture Operation

Summary

Get the custom WB capture operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD26F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Custom WB Execution State

Summary

Get the custom WB execution state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD270
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Invalid
0x01	Standby
0x02	Capturing
0x03	OperatingCamera

Camera-Setting Save Operation

Summary

Get the camera-setting save operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD271
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Camera-Setting Read Operation

Summary

Get the camera-setting read operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD272
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Camera-Setting Save/Read State

Summary

Get the camera-setting save/read state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD273
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Idle
0x01	Reading

FTP-Setting Save Operation

Summary

Get the FTP-setting save operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD274
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

FTP-Setting Read Operation

Summary

Get the FTP-setting read operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD275
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

FTP-Setting Save/Read State

Summary

Get the FTP-setting save/read state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD276
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Idle
0x01	Reading

Media SLOT1 Format Enable Status

Summary

Get the media format enabled status (SLOT1).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD279
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Media SLOT2 Format Enable Status

Summary

Get the media format enabled status (SLOT2).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD27A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Media Format Progress Rate

Summary

Get the media format progress rate.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD27B
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	Invalid
Other than above values	Progress rate

Note

Calculate the progress rate each time.
e.g.) 0x003600C8 means 27%. (using the following calculations: (0x36 / 0xC8) * 100)

Select FTP Server

Summary

Get/Set the selected FTP server.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD27C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	FTP Server 1
0x02	FTP Server 2
0x03	FTP Server 3
0x04	FTP Server 4
0x05	FTP Server 5
0x06	FTP Server 6
0x07	FTP Server 7
0x08	FTP Server 8
0x09	FTP Server 9

Note

When this device properties changed, the following device properties are changed.
FTP Connection Status (0xD27F)
FTP Connection Error Info (0xD280)

FTP Connection Status

Summary

Get the FTP connection status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD27F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Connecting
0x02	Connected
0x03	Connected (Server certification error)
0x04	Connection Error

Note

When FTP Function is Off, the IsEnable Field is disabled.

FTP Connection Error Info

Summary

Get the FTP connection error info.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD280
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	No Error

Value	Description
0x0001	Camera system error
0x0002	Wi-Fi hardware error
0x0003	Wired LAN hardware error
0x0004	AP is not registered
0x0005	AP is not found(with connection retry)
0x0006	AP connection error
0x0007	AP password error
0x0008	Invalid key or static IP address setting error(WEP)
0x0009	Invalid key or IP address acquisition error(WEP)
0x000a	IP address acquisition error(DHCP)
0x000b	IP address acquisition error(DNS)
0x000c	Airplane mode is on
0x000d	LAN cable error(with connection retry)
0x000e	FTP server setting is not set
0x000f	FTP server registration setting error(User name or password error)
0x0010	FTP server is Severed
0x0011	Certificate verification is not normal
0x0012	Directory create error
0x0013	Authority error related to file handling / FTP server is over capacity
0x0014	Can't recognize USB-LAN conv Adapter
0x0015	Can't recognize the USB tethering device
0x0016	Check the device set of connect Device
0x0017	Failed to connect to server:Reconnecting
0x0018	Can't transfer to FTP server:Reconnecting
0xFFFF	Unknown errors
Above others	Other errors

Note

When FTP Connection Status(0xD27F) is Connection Error(0x0004), this value is Valid.
When FTP Function is Off, the IsEnable Field is disabled.

High Resolution SS Setting

Summary

Get/Set the high resolution SS setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD280
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	OFF
0x01	ON

High Resolution Shutter Speed

Summary

Get the high resolution shutter speed.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD282
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	8	UINT64	0x0000000000000000
CurrentValue	6	8	UINT64	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable(UINT64)	min
Variable(UINT64)	max
Variable(UINT64)	step

Note

If current value is 0xFFFFFFFFFFFFFFFF, nothing to display.
The real value of shutter speed (Upper four bytes: numerator, Lower four bytes: denominator)

e.g.) 0x000138810000000A : 0x00013881 (means 80001) / 0x0000000A (means 10) = 8000.1"
Note that the data type is different from Shutter Speed(0xD20D).

Function of Touch Operation

Summary

Get/Set the function of touch operation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD283
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	Touch Shutter
0x03	Touch Focus
0x04	Touch Tracking
0x05	Touch AE
0x06	Touch Shutter + Touch AE ON
0x07	Touch Shutter + Touch AE OFF
0x08	Touch Focus + Touch AE ON
0x09	Touch Focus + Touch AE OFF
0x0A	Touch Tracking + Touch AE ON
0x0B	Touch Tracking + Touch AE OFF

Remote Touch Operation Enable Status

Summary

Get the remote touch operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD284
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Cancel Remote Touch Operation Enable Status

Summary

Get the cancel remote touch AF operation enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD285
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Recording Frame Rate Setting (Movie)

Summary

Get/Set the recording frame rate setting (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD286
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	120p (*1)
0x02	100p
0x03	60p (*2)
0x04	50p
0x05	30p (*3)
0x06	25p
0x07	24p (*4)
0x08	23.98p
0x09	29.97p
0x0A	59.94p
0x0B	19.98p
0x0C	14.99p
0x0D	12.50p
0x0E	12.00p
0x0F	11.99p
0x10	10.00p
0x11	9.99p
0x12	6.00p
0x13	5.99p
0x14	5.00p

Value	Description
0x15	4.995p
0x16	24.00p
0x17	119.88p
0x41	120i (*1)
0x42	100i
0x43	60i (*2)
0x44	50i
0x45	30i (*3)
0x46	25i
0x47	24i (*4)
0x48	23.98i
0x49	29.97i
0x4A	59.94i
0x4B	19.98i
0x4C	14.99i
0x4D	12.50i
0x4E	12.00i
0x4F	11.99i
0x50	10.00i
0x51	9.99i
0x52	6.00i
0x53	5.99i
0x54	5.00i
0x55	4.995i
0x56	24.00i
0x57	119.88i

Note

Means field frequency.
*1 Actual field frequency might be 119.88 for some camera.
*2 Actual field frequency might be 59.94 for some camera.
*3 Actual field frequency might be 29.97 for some camera.
*4 Actual field frequency might be 23.98 for some camera.

Compression File Format (Still)

Summary

Get/Set the still image compression format.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD287
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	JPEG
0x02	HEIF (4:2:2)
0x03	HEIF (4:2:0)

RAW File Type

Summary

Get/Set the RAW file type.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD288
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Compression
0x02	LossLessL
0x03	LossLessM
0x04	LossLessS
0x05	Uncompression

Value	Description
0x06	LossLess

Media Slot1 RAW File Type

Summary

Get/Set the RAW file type of media slot 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD289
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Compression
0x02	LossLessL
0x03	LossLessM
0x04	LossLessS
0x05	Uncompression
0x06	LossLess

Media Slot2 RAW File Type

Summary

Get/Set the RAW file type of media slot 2.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD28A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Compression
0x02	LossLessL
0x03	LossLessM
0x04	LossLessS
0x05	Uncompression
0x06	LossLess

Media Slot1 File Format (Still)

Summary

Get/Set the file format (still) of media slot 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD28B
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	RAW
0x02	RAW+JPEG
0x03	JPEG
0x04	RAW+HEIF
0x05	HEIF

Media Slot2 File Format (Still)

Summary

Get/Set the file format (still) of media slot 2.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD28C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	RAW
0x02	RAW+JPEG
0x03	JPEG
0x04	RAW+HEIF
0x05	HEIF

Media SLOT1 Image Quality

Summary

Get/Set the image quality of media slot 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD28D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Extra Fine
0x02	Fine
0x03	Standard
0x04	Light

Media SLOT2 Image Quality

Summary

Get/Set the image quality of media slot 2.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD28E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Extra Fine
0x02	Fine
0x03	Standard
0x04	Light

Media SLOT1 Image Size

Summary

Get/Set the image size of media slot 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD28F
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	L
0x02	M
0x03	S
0x04	24M
0x05	16M
0x06	13M
0x07	11M
0x08	8.4M
0x09	6.1M
0x0A	6M
0x0B	5.6M
0x0C	4M
0x0D	2.6M
0x0E	21M
0x0F	20M
0x10	10M
0x11	9.2M
0x12	8.7M
0x13	6.9M
0x14	4.6M
0x15	4.1M
0x16	4M
0x17	3.9M
0x18	3.1M
0x19	VGA

Media SLOT2 Image Size

Summary

Get/Set the image size of media slot 2.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD290
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	L
0x02	M
0x03	S
0x04	24M
0x05	16M
0x06	13M
0x07	11M
0x08	8.4M
0x09	6.1M
0x0A	6M
0x0B	5.6M
0x0C	4M
0x0D	2.6M
0x0E	21M
0x0F	20M
0x10	10M
0x11	9.2M
0x12	8.7M
0x13	6.9M
0x14	4.6M

Value	Description
0x15	4.1M
0x16	4M
0x17	3.9M
0x18	3.1M
0x19	VGA

Media SLOT1 Quick Format Enable Status

Summary

Get the media quick format enabled status (slot 1).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD292
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Media SLOT2 Quick Format Enable Status

Summary

Get the media quick format enabled status (slot 2).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD293
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Cancel Media Format Enable Status

Summary

Get the cancel media format enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD294
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Contents Transfer Enable Status

Summary

Get the contents transfer enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD295
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Save Zoom and Focus Position

Summary

Get the save zoom and focus position enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD297
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	N/A (0x00)
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00 ~ 0xFF	Save slot number

Note

Current parameter is N/A

Load Zoom and Focus Position

Summary

Get the load zoom and focus position enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD298
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	N/A (0x00)
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00 ~ 0xFF	Load slot number

Note

Current parameter is N/A

Remote Control Zoom Speed Type

Summary

Get/Set the remote control zoom speed type.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD299
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Set/Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Invalid
0x01	Variable
0x02	Fixed

APS-C or Full Switching Setting

Summary

Get the APS-C or full switching setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD29A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Full
0x02	APS-C

APS-C or Full Switching Enable Status

Summary

Get the APS-C or full switching status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD29B
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Movie Rec Self timer

Summary

Get/Set the movie record self timer.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD29C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	OFF
0x01	ON

Movie Rec Self timer Count time

Summary

Get/Set the movie record self timer count time.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD29D
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0000	Do not perform a countdown

Value	Description
Other than above values	The real value of Self timer Count time e.g.) 0x0003 = 3 sec e.g.) 0x0005 = 5 sec e.g.) 0x000A = 10 sec

Movie Rec Self timer Continuous

Summary

Get/Set the movie record self timer continuous.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD29F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	OFF
0x01	ON

Movie Rec Self timer Status

Summary

Get the movie record self timer status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD2A0
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Idle
0x01	Counting down

Note

When "Movie Rec Self timer" is Off, the IsEnable Field is disabled.

Focus Bracket Shot Num

Summary

Get/Set the focus bracket shot number.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD2A1
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
1	step

Note

The unit is the number of shots. Variable follows model specifications.

Focus Bracket Focus Range

Summary

Get/Set the focus bracket focus range.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD2A2
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
1	step

Note

Variable follows model specifications.

Bulb Timer Setting

Summary

Get/Set the bulb timer setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD2A4
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	OFF
0x01	ON

Note

This property is valid when "Shutter Speed (0xD20D)" is "BULB."

Bulb Exposure Time Setting

Summary

Get/Set the bulb exposure time setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD2A5
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Note

This property is valid when "Bulb Timer Setting (0xD2A3)" is "ON."

Flicker Scan Status

Summary

Get the flicker scan status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD2BA
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Invalid
0x01	Idle
0x02	Flicker scanning

Flicker Scan Enable Status

Summary

Get the flicker scan enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xD2BB
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Movie Shooting Mode

Summary

Get/Set the movie shooting mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE000
Datatype	2	2	UINT16	0x0004(UINT16)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x01(Set/Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x00 0 0
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	OFF
0x0101	SDR
0x0201	HDR
0x0301	CineEI
0x0302	CineEI Quick
0x0401	Custom
0x0501	FlexibleISO

Movie Shooting Mode Color Gamut

Summary

Get/Set the movie shooting mode color gamut.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE001
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Set/Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	S-Gamut3.Cine
0x02	S-Gamut3

Note

See the SDIO_GetDisplayStringList for display character.

Movie Shooting Mode Target Display

Summary

Get/Set the movie shooting mode target display.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE002
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Set/Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	BT.709
0x02	BT.2020

Note

See the SDIO_GetDisplayStringList for display character.

Focus TouchSpot Status

Summary

Get the focus TouchSpot status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE004
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Stopped
0x02	Running

Focus Tracking Status

Summary

Get the focus tracking status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE005
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	Focusing
0x03	Tracking

Shutter ECS Setting

Summary

Get/Set the shutter ECS setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE006
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)

Field	Field Order	Size (Bytes)	Datatype	Value
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Shutter ECS Number

Summary

Get/Set the shutter ECS number.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE007
Datatype	2	2	UINT16	0x0003(INT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	INT16	0x0000
CurrentValue	6	2	INT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
1	step

Shutter ECS Frequency

Summary

Get/Set the shutter ECS frequency.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE008
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
Variable	min
Variable	max
Variable	step

Depth of Field Adjustment Mode

Summary

Get/Set the depth of field adjustment mode.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE009
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Depth of Field Adjustment Interlocking Mode State

Summary

Get the depth of field adjustment interlocking mode state.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE00A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	ND interlocking mode
0x02	Gain interlocking mode

Recorder Clip Name

Summary

Get recorder clip name create by the next recording.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE00B
Datatype	2	2	UINT16	0xFFFF(STR)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5		STR	""
CurrentValue	6		STR	Variable
FormFlag	7	1	UINT8	0x00(None)

Value

Value	Description
String	Clip Name

Recorder Control Main Setting

Summary

Get the recorder control main setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE00C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Rec Disable
0x01	Rec Enable

Note

Indicates on/off status of the record function.

Recorder Control Proxy Setting

Summary

Get/Set the recorder control proxy setting.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE00D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Rec Disable
0x01	Rec Enable

Note

Indicates on/off status of the record function.

Recorder Start Main

Summary

Get the recorder start main.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE00E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Rec Start Disable
0x01	Rec Start Enable

Note

Indicate the recordable status.

Recorder Start Proxy

Summary

Get the recorder start proxy.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE00F
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Rec Start Disable
0x01	Rec Start Enable

Note

Indicate the recordable status.

Recorder Main Status

Summary

Get the recorder main status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE010
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Idle
0x01	Ready
0x02	PreparingToRecord
0x03	Standby
0x04	Recording
0x05	Stopping

Recorder Proxy Status

Summary

Get the recorder proxy status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE011
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Idle
0x01	Ready
0x02	PreparingToRecord
0x03	Standby
0x04	Recording
0x05	Stopping

Recorder Ext Raw Status

Summary

Get the recorder ext raw status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE012
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Idle
0x01	Ready
0x02	PreparingToRecord
0x03	Standby
0x04	Recording
0x05	Stopping

Recorder Save Destination

Summary

Get the information of recorder save destination.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE013
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	External
0x0010	Internal
0x0011	External & Internal

Note

"External" is only external output. It does not matter whether it is saved or not.

Button Assignment Assignable.1

Summary

Get/Set the button assignment assignable 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE014
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.2

Summary

Get/Set the button assignment assignable 2.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE015
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.3

Summary

Get/Set the button assignment assignable 3.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE016
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2

Value	Description
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.4

Summary

Get/Set the button assignment assignable 4.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE017
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8

Value	Description
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.5

Summary

Get/Set the button assignment assignable 5.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE018
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.6

Summary

Get/Set the button assignment assignable 6.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE019
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.7

Summary

Get/Set the button assignment assignable 7.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE01A

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.8

Summary

Get/Set the button assignment assignable 8.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE01B
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.9

Summary

Get/Set the button assignment assignable 9.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE01C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5

Value	Description
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment Assignable.10

Summary

Get/Set the button assignment assignable 10.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE01D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Button Assignment LensAssignable.1

Summary

Get/Set the button assignment LensAssignable 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE01E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

SceneFile Index

Summary

Get/Set the SceneFile index.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE01F
Datatype	2	2	UINT16	0x0006(UINT32)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	4	UINT32	0x00000000
CurrentValue	6	4	UINT32	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00000000	None
0x00000001	Scene 1
0x00000002	Scene 2
0x00000003	Scene 3
0x00000004	Scene 4
0x00000005	Scene 5
0x00000006	Scene 6
0x00000007	Scene 7
0x00000008	Scene 8
0x00000009	Scene 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with SDIO_GetDisplayStringList.

Current SceneFile Edited

Summary

Get the current SceneFile edited info.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE020
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Unedited
0x02	Edited

Movie Play Button

Summary

Get/Set the movie play button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE021
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Movie Play Pause Button

Summary

Get/Set the movie play pause button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE022
Datatype	2	2	UINT16	0x0004(UINT16)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Movie Play Stop Button

Summary

Get/Set the movie play stop button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE023
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Movie Forward Button

Summary

Get/Set the movie forward button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE024
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Movie Rewind Button

Summary

Get/Set the movie rewind button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE025
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Movie Next Button

Summary

Get/Set the movie next button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE026
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Movie Prev Button

Summary

Get/Set the movie prev button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE027
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Movie RecReview Button

Summary

Get/Set the movie RecReview button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE028
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 1

Summary

Get/Set the assignable button 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE029
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 2

Summary

Get/Set the assignable button 2.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE02A
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 3

Summary

Get/Set the assignable button 3.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE02B
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 4

Summary

Get/Set the assignable button 4.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE02C
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 5

Summary

Get/Set the assignable button 5.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE02D
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 6

Summary

Get/Set the assignable button 6.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE02E
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 7

Summary

Get/Set the assignable button 7.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE02F
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 8

Summary

Get/Set the assignable button 8.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE030
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 9

Summary

Get/Set the assignable button 9.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE031
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button 10

Summary

Get/Set the assignable button 10.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE032
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

LensAssignable Button 1

Summary

Get/Set the lens assignable button 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE033
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x00
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button Indicator 1

Summary

Get the assignable button indicator 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE035
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 2

Summary

Get the assignable button indicator 2.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE036
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 3

Summary

Get the assignable button indicator 3.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE037
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 4

Summary

Get the assignable button indicator 4.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE038
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 5

Summary

Get the assignable button indicator 5.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE039
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 6

Summary

Get the assignable button indicator 6.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE03A
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 7

Summary

Get the assignable button indicator 7.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE03B
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 8

Summary

Get the assignable button indicator 8.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE03C
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 9

Summary

Get the assignable button indicator 9.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE03D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Assignable Button Indicator 10

Summary

Get the assignable button indicator 10.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE03E
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

LensAssignable Button Indicator 1

Summary

Get the lens assignable button indicator 1.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE03F
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Focus Position Setting

Summary

Get/Set the absolute foucus position.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE042
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x0000	min
0xFFFF	max

Value	Description
0x0001	step

Note

This command sets the target value to CurrentValues.
See "Focus Position Current Value" for the CurrentValue.

Focus Position Current Value

Summary

Get the absolute foucus position current value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE043
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x0000	min
0xFFFF	max
0x0001	step

Audio Input Master Level

Summary

Get/Set the audio input master level.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE050
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
variable	min
variable	max
variable	step

Audio Output HDMI Monitor CH

Summary

Get/Set the audio output HDMI monitor CH.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE059
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0003	CH1/CH2
0x000C	CH3/CH4

Note

Audio output channels are assigned in order from the lowest bit.
CH1 is the 0th bit, CH2 is the 1st bit, CH3 is the 2nd bit, and CH4 is the 3rd bit.
Examples:
When setting CH1/CH2, the 0th and the 1st bit are 1, which is 0x0003.
When setting CH3/CH4, the 2nd and the 3rd bit are 1, which is 0x000C.

Movie Rec Button (Toggle) Enable Status

Summary

Get the movie recording button (toggle) enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE061
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Image Stabilization Level (Movie)

Summary

Get/Set the image stabilization level (movie).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE080
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	Low

Value	Description
0x03	High

Movie Trimming Transfer Support Information

Summary

Get the movie trimming transfer support information.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE082
Datatype	2	2	UINT16	0x0008(UINT64)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	8	UINT64	0x00000000
CurrentValue	6	8	UINT64	N/A
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
Any	

Note

The value list is Represented by a combination of the following parameters.

Field	Field Order	Size (bit)
Extension Value	bit[0-7]	8
VideoCodecValue	bit[8-39]	32
FrameRate	bit[40-47]	8
RestrictionFrame	bit[48-55]	8
Reserved	bit[46-63]	8

Value bit[0-7] Extension Value

Value	Description
0x01	MXF
0x02	MP4

See the SDIO_GetDisplayStringList for display character.

Value bit[8-39] VideoCodecValue

Value	Description
0x0107020C	AVC_1920_1080_HP@L4
0x0107020D	AVC_1920_1080_HP@L41
0x0107020E	AVC_1920_1080_HP@L42
0x010A0210	AVC_3840_2160_HP@L51
0x010A0211	AVC_3840_2160_HP@L52
0x010A0510	AVC_3840_2160_H422IP@L51
0x010A0511	AVC_3840_2160_H422IP@L52
0x010B0510	AVC_4096_2160_H422IP@L51
0x010B0511	AVC_4096_2160_H422IP@L52
0x0207040D	AVC25_1920_1080_H422P@L41
0x0307040D	AVC35_1920_1080_H422P@L41
0x0307040E	AVC35_1920_1080_H422P@L42
0x0405040D	AVC50_1280_720_H422P@L41
0x0407040D	AVC50_1920_1080_H422P@L41
0x0407040E	AVC50_1920_1080_H422P@L42
0x0507050D	AVC100_1920_1080_H422IP@L41
0x0507050E	AVC100_1920_1080_H422IP@L42
0x0507050F	AVC100_1920_1080_H422IP@L5
0x050A0410	AVC100_3840_2160_H422P@L51
0x060A0410	AVC140_3840_2160_H422P@L51
0x070A0411	AVC200_3840_2160_H422P@L52
0x0D05050D	AVC100CBG_1280_720_H422IP@L41
0x0D07050D	AVC100CBG_1920_1080_H422IP@L41
0x0D07050E	AVC100CBG_1920_1080_H422IP@L42
0x130A061D	HEVC_3840_2160_M42210P@L5HT
0x130A061E	HEVC_3840_2160_M42210P@L51HT
0x130A081D	HEVC_3840_2160_M10P@L5HT
0x130A081E	HEVC_3840_2160_M10P@L51HT
0x140C0716	HEVCSQ_7680_4320_M42210IP@L61HT
0x140D0716	HEVCSQ_8192_4320_M42210IP@L61HT
0x150C0716	HEVCHQ_7680_4320_M42210IP@L61HT
0x150D0716	HEVCHQ_8192_4320_M42210IP@L61HT
0x160C0616	HEVC520_7680_4320_M42210P@L61HT

See the SDIO_GetDisplayStringList for display character.

Value bit[40-47] FrameRate

Value	Description
0x01	120p (*1)
0x02	100p
0x03	60p (*2)
0x04	50p
0x05	30p (*3)
0x06	25p
0x07	24p (*4)
0x08	23.98p
0x09	29.97p
0x0A	59.94p
0x0B	19.98p
0x0C	14.99p
0x0D	12.50p
0x0E	12.00p
0x0F	11.99p
0x10	10.00p
0x11	9.99p
0x12	6.00p
0x13	5.99p
0x14	5.00p
0x15	4.995p
0x16	24.00p
0x17	119.88p
0x41	120i (*1)
0x42	100i
0x43	60i (*2)
0x44	50i
0x45	30i (*3)
0x46	25i
0x47	24i (*4)
0x48	23.98i
0x49	29.97i
0x4A	59.94i
0x4B	19.98i

Value	Description
0x4C	14.99i
0x4D	12.50i
0x4E	12.00i
0x4F	11.99i
0x50	10.00i
0x51	9.99i
0x52	6.00i
0x53	5.99i
0x54	5.00i
0x55	4.995i
0x56	24.00i
0x57	119.88i

Means field frequency. See the SDIO_GetDisplayStringList for display characters.
*1 The actual field frequency may be 119.88 for some cameras.
*2 The actual field frequency may be 59.94 for some cameras.
*3 The actual field frequency may be 29.97 for some cameras.
*4 The actual field frequency may be 23.98 for some cameras.

Value bit[48-55]RestrictionFrame

Value	Description
0x00	Invalid
Other than above values	The real value of Restriction Frame ex) 0x03 -> Restriction Frame = 3

Function of Remote Touch Operation

Summary

Get/Set the function of remote touch operation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE083
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Tracking AF
0x02	Spot AF
0x03	AF Area Select

AF Assist

Summary

Get/Set the AF assist.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE084
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	OFF
0x02	ON

Lens Information Enable Status

Summary

Get the lens information enabled status.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE086
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00

Field	Field Order	Size (Bytes)	Datatype	Value
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00	Disable
0x01	Enable

Follow Focus Position Setting

Summary

Get/Set the follow focus position.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE088
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x0000	min
0xFFFF	max
0x0001	step

Note

This command sets the target value to CurrentValue.
Refer to "Follow Focus Position Current Value" for the CurrentValue.

Follow Focus Position Current Value

Summary

Get the follow focus position current value.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE089
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x0000	min
0xFFFF	max
0x0001	step

Button Assignment Assignable.11

Summary

Get/Set the button assignment assignable 11.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE08D
Datatype	2	2	UINT16	0x0002(UINT8)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Function 1
0x02	Function 2
0x03	Function 3
0x04	Function 4
0x05	Function 5

Value	Description
0x06	Function 6
0x07	Function 7
0x08	Function 8
0x09	Function 9

Note

It may increase or decrease because it varies depending on the model and setting status.
Get the list of assignable button functions with "SDIO_GetDisplayStringList"

Assignable Button 11

Summary

Get/Set the assignable button 11.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE08E
Datatype	2	2	UINT16	0x0004(UINT16)
Get/Set	3	1	UINT8	0x01(Get/Set)
IsEnabled	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
CurrentValue	6	2	UINT16	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Assignable Button Indicator 11

Summary

Get the assignable button indicator 11.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
PropertyCode	1	2	UINT16	0xE08F
Datatype	2	2	UINT16	0x0002(UINT8)

Field	Field Order	Size (Bytes)	Datatype	Value
Get/Set	3	1	UINT8	0x00(Get)
IsEnabled	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
CurrentValue	6	1	UINT8	Variable
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x01	Off
0x02	On

Controls

This chapter provides the detailed control specification of Camera Control PTP.

Shutter Half-Release (S1) Button

Summary

Control shutter half-release (S1) button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2C1
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	2	UINT16	0x0000
Reserved	5	2	UINT16	0x0000
FormFlag	6	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Shutter Release (S2) Button

Summary

Control shutter release (S2) button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2C2
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	2	UINT16	0x0000
Reserved	5	2	UINT16	0x0000
FormFlag	6	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

AEL Button

Summary

Control AEL button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2C3
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	2	UINT16	0x0000
Reserved	5	2	UINT16	0x0000
FormFlag	6	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Movie Rec Button (Hold)

Summary

Control movie recording (S/S) button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2C8
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

Unlike the button action of the main unit, this command functions like holding a button.

FEL Button

Summary

Control FEL button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2C9
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Near/Far

Summary

Set the near/far.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2D1
Datatype	2	2	UINT16	0x0003(INT16)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
-7	min
7	max
1	step

Note

This Control Code can be executed only when the device property "Near / Far Enable Status (0xD235)" is Enabled (0x01).

AWBL Button

Summary

Control AWBL button.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2D9
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

AF Area Position (x, y)

Summary

Execute set AF area position (x, y).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2DC
Datatype	2	2	UINT16	0x0006(UINT32)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
Reserved	6	4	UINT32	0x00000000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
1	step

Note

The x-coordinate is set in the upper two bytes and the y-coordinate is set in the lower two bytes.
The range of X is 0-639 (0x027F), and the range of Y is 0-479 (0x01DF).

Zoom Operation

Summary

Execute the zoom operation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2DD
Datatype	2	2	UINT16	0x0001(INT8)
SDIControlType	3	1	UINT8	0x84(Variable)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
-1	min
1	max

Value	Description
1	step

Note

This Control Code can be executed only when the device property "Zoom Operation Enable Status" (0xD25B) is Enabled (0x01).
The parameter range is variable. Refer to the device property "Zoom Speed Range" for parameter range.
Value examples:
1: Tele zoom (zoom speed=1)
-1: Wide zoom (zoom speed=1)
0: Stop zoom

Custom WB Capture Standby

Summary

Execute the custom WB capture standby.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2DF
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	2	UINT16	0x0000
Reserved	5	2	UINT16	0x0000
FormFlag	6	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This Control Code can be executed only when the device property "Custom WB Capture Standby Operation (0xD26D)" is enabled (0x01).

Custom WB Capture Standby Cancel

Summary

Execute the custom WB capture standby cancel.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2E0
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	2	UINT16	0x0000
Reserved	5	2	UINT16	0x0000
FormFlag	6	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This Control Code can be executed only when the device property "Custom WB Capture Standby Cancel Operation (0xD26E)" is Enable (0x01).

Custom WB Capture

Summary

Execute the custom WB capture.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2E1
Datatype	2	2	UINT16	0x0006(UINT32)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
Reserved	6	4	UINT32	0x00000000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
1	step

Note

The x-coordinate is set in the two upper bytes and the y-coordinate is set in the two lower bytes.
The enable range can be obtained from "Custom WB Capturable Area(x,y) (0xD26B)".

Selected Media Format

Summary

Execute format the selected media.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2E2
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x84(Variable)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Full format (SLOT1)
0x0002	Full format (SLOT2)
0x0011	Quick format (SLOT1)
0x0012	Quick format (SLOT2)

Note

Multiple items cannot be selected.

Remote Touch Operation (x, y)

Summary

Execute remote touch operation (x, y).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2E4
Datatype	2	2	UINT16	0x0006(UINT32)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	4	UINT32	0x00000000
Reserved	6	4	UINT32	0x00000000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
0x00000000	min
0xFFFFFFFF	max
1	step

Note

This Control Code can be executed only when the device property "Remote Touch Operation Enable Status" is Enabled (0x01).
The x coordinate is set in the upper two bytes and the y coordinate is set in the lower two bytes
The range of X is 0-639 (0x027F), and the range of Y is 0-479 (0x01DF).

Cancel Remote Touch Operation

Summary

Execute cancel remote touch operation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2E5
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This Control Code can be executed only when the device property "Cancel Remote Touch Operation Enable Status" is Enabled (0x01).

Execute when the control value is Up (0x0001).

S1 & S2 Button

Summary
Execute shutter half-release (S1) and shutter release (S2) buttons.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2E6
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Cancel Media Format

Summary
Execute cancel media format.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2E7
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This Control Code can be executed only when the device property "Cancel Media Format Enable Status" is Enabled (0x01).

Save Zoom and Focus Position

Summary

Execute save zoom and focus position.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2E9
Datatype	2	2	UINT16	0x0002(UINT8)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable
Reserved	5	1	UINT8	0x00
Reserved	6	1	UINT8	0x00
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00 - 0xFF	Save slot number

Load Zoom and Focus Position

Summary

Execute load zoom and focus position.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2EA
Datatype	2	2	UINT16	0x0002(UINT8)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable

Field	Field Order	Size (Bytes)	Datatype	Value
Reserved	5	1	UINT8	0x00
Reserved	6	1	UINT8	0x00
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x00 - 0xFF	Load slot number

Note

This command is tied up with driving status (the device properties Focus Driving Status (Absolute) and Zoom Driving Status (Absolute)). When the current value of the device property ZoomOnly Enable Status is enabled and "ZoomOnly Value" is On (0x02) in `PresetInfoList[k]`, only Zoom Position in slot k is loaded.

APS-C or Full Switching

Summary

Execute APS-C or full switching.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2EB
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

Execute APS-C or FULL switching control of the camera

Color Temperature Step

Summary

Set the color temperature.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xDXXX
Datatype	2	2	UINT16	0x0003(INT16)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
-30	min
30	max
1	step

White Balance Tint Step

Summary

Set the white balance tint.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xDXXX
Datatype	2	2	UINT16	0x0003(INT16)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
-198	min

Value	Description
198	max
1	step

Focus Operation

Summary

Execute the focus operation.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xDXXX
Datatype	2	2	UINT16	0x0001(INT8)
SDIControlType	3	1	UINT8	0x84(Variable)
Reserved	4	1	UINT8	Variable
Reserved	5	1	INT8	0x0000
Reserved	6	1	INT8	0x0000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
-1	min
1	max
1	step

Note

This Control Code can be executed only when the device property "Focal Distance in Meter" (0xD004) or "Focal Distance in Feet" (0xD005) is Enabled (0x01).
The parameter range is variable. Refer to the device property "Focus Speed Range" for parameter range.
Value examples:
1: Tele focus (focus speed=1)
-1: Wide focus (focus speed=1)
0: Stop focus

Flicker Scan

Summary

Execute flicker scan.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2F1
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

Flicker scan is enabled when the device property "Flicker Scan Enable Status (0xD29D)" is enabled (0x01) and this control code is executed.
Flicker scan is canceled when the device property "Flicker Scan Status (0xD29C)" is "Flicker scanning (0x01)" and this control code is executed.
When this Control Code is executed, the following device property is changed.

・Flicker Scan Status （0xD29C）

REC Settings Reset

Summary

Execute recording settings reset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD2F3
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	4	UINT32	0x00000000
Reserved	6	4	UINT32	0x00000000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This Control Code can be executed only when the device property "REC Settings Reset Enable Status" is Enable (0x01).

Pixel Mapping

Summary

Execute pixel mapping.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD300
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

Make sure Pixel Mapping Enable Status is Enable (0x01) before executing Pixel Mapping

Power Off

Summary

Execute power off.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD301

Field	Field Order	Size (Bytes)	Datatype	Value
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This command sets the camera to standby mode. It can be restarted by manual action on the power button.

Time Code Preset Reset

Summary

Execute time code preset reset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD302
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This Control Code can be executed only when the device property "Time Code Preset Reset Enable Status" is Enable (0x01).

User Bit Preset Reset

Summary

Execute user bit preset reset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD303
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This Control Code can be executed only when the device property "User Bit Preset Reset Enable Status" is Enable (0x01).

Sensor Cleaning

Summary

Execute sensor cleaning.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD304
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

This Control Code can be executed only when the device property "Sensor Cleaning Enable Status" is Enable (0x01).

Reset Picture Profile

Summary

Execute picture profile reset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD305
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

Reset settings for the picture profile selected in "Picture Profile."
This Control Code can be executed only when the device property "Reset Picture Profile Enable Status" is Enabled (0x01).

Reset Creative Look

Summary

Execute creative look reset.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xD306
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Note

Reset settings for the creative look selected in "Creative Look."
This Control Code can be executed only when the device property "Reset Creative Look Enable Status" is Enabled (0x01).

Shutter ECS Number Step

Summary

Set the shutter ECS number.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xF000
Datatype	2	2	UINT16	0x0003(INT16)
SDIControlType	3	1	UINT8	0x82(Notch)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x01(Range)

Value

Value	Description
-32768	min
32767	max

Value	Description
1	step

Movie Rec Button (Toggle)

Summary

Control movie recording button (toggle).

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xF001
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Cancel Focus Position

Summary

Execute cancel absolute focus position.

Description

Field	Field Order	Size (Bytes)	Datatype	Value
ControlCode	1	2	UINT16	0xF002
Datatype	2	2	UINT16	0x0004(UINT16)
SDIControlType	3	1	UINT8	0x81(Button)
Reserved	4	1	UINT8	Variable
Reserved	5	2	UINT16	0x0000
Reserved	6	2	UINT16	0x0000
FormFlag	7	1	UINT8	0x02(Enumeration)

Value

Value	Description
0x0001	Up
0x0002	Down

Events

This chapter provides the detailed event specification of Camera Control PTP.

StoreAdded

Summary

Same as PIMA 15740 (event code is `0x4004`.)

Description

Same as PIMA 15740

StoreRemoved

Summary

Same as PIMA 15740 (event code is `0x4005`.)

Description

Same as PIMA 15740

SDIE_ObjectAdded

Summary

Notify that a shot file is ready to transfer.

Description

- Event Code: `0xC201`
- Parameter1: ObjectHandle
- Parameter2: None
- Parameter3: None

Note

The host can send GetObjectInfo with the notified ObjectHandle after receiving this event.
The host can choose from checking the value of the Shooting File Info (0xD215) or waiting for this event to send GetObjectInfo.

SDIE_ObjectRemoved

Summary

Notify that a shot file is deleted.
The device sends this event when the shot file is transferred.

Description

- Event Code: `0xC202`
- Parameter1: ObjectHandle
- Parameter2: None
- Parameter3: None

Note

The host must not send GetObjectInfo with the notified ObjectHandle after receiving this event.

SDIE_DevicePropChanged

Summary

Notify that the DevicePropValue is changed.

Description

- Event Code: `0xC203`
- Parameter1: None
- Parameter2: None
- Parameter3: None

Note

It is highly recommended to use SDIO_GetAllExtDevicePropInfo to obtain current camera-setting values via polling.

SDIE_DateTimeSettingResult

Summary

Notify Date/Time Setting result.

Description

- Event Code: `0xC205`
- Parameter1: Setting Result
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	Parameter Error
0x00000003	Exclusion Error
0x00000004	System Error

SDIE_CapturedEvent

Summary

Notify a captured event.

Description

- Event Code: `0xC206`
- Parameter1: None
- Parameter2: None
- Parameter3: None

SDIE_CWBCapturedResult

Summary

Notify the result of Custom WB capture.

Description

- Event Code: `0xC208`
- Parameter1: Result
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	NG

Note

The detail results can be obtained with the following device properties.

- Color Temperature (DevicePropertyCode: 0xD20F)
- Biaxial Fine-Tuning G-M Direction (DevicePropertyCode: 0xD210)
- Biaxial Fine-Tuning A-B Direction (DevicePropertyCode: 0xD21C)

SDIE_CameraSettingReadResult

Summary

Notify the result of camera-setting read.

Description

- Event Code: `0xC209`
- Parameter1: Result
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	NG

SDIE_FTPSettingReadResult

Summary

Notify the result of FTP-setting read.

Description

- Event Code: `0xC20A`
- Parameter1: Result
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	NG
0x00000003	NG password

SDIE_MediaFormatResult

Summary

Notify the result of media format.

Description

- Event Code: `0xC20B`
- Parameter1: Result
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	NG
0x00000003	Canceled

SDIE_FTPDisplayNameListChanged

Summary

Notify an update of FTPDisplayNameList.

Description

- Event Code: `0xC20C`
- Parameter1: None
- Parameter2: None
- Parameter3: None

SDIE_ContentsTransferEvent

Summary

Notify that the ContentTransferEvent.

Description

- Event Code: `0xC20D`
- Parameter1: Event ID
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	Device Busy
0x00000002	Status Error

SDIE_ZoomandFocusPositionEvent

Summary

Notify the Zoom and Focus Position Event.

Description

- Event Code: `0xC20E`
- Parameter1: Event ID
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	Diffarent Lens

Value	Description
0x00000002	Invalid Lens

SDIE_DisplayListChangedEvent

Summary

Notify an update of DisplayStringList.

Description

- Event Code: `0xC20F`
- Parameter1: Display String List Type
- Parameter2: None
- Parameter3: None

SDIE_MediaProfileChanged

Summary

Notify that the media profile is changed.

Description

- Event Code: `0xC210`
- Parameter1: Media
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	Media SLOT1
0x00000002	Media SLOT2
0x00000003	Media SLOT3

SDIE_ControlJobListEvent

Summary

Notify the Control Job List Event.

Description

- Event Code: `0xC211`
- Parameter1: Result
- Parameter2: ControlType
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	NG

Parameter2

Value	Description
Any	The one specified in SDIO_ControlFTPJobList

SDIE_ControlUploadDataResult

Summary

Notify the result of ControlUpload.

Description

- Event Code: `0xC214`
- Parameter1: Result
- Parameter2: ControlType
- Parameter3: OptionParam

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	NG
0x00000003	NG Invalid File Name
0x00000004	NG Device Busy
0x00000005	Other errors

Parameter2

Value	Description
Any	The one specified in SDIO_ControlUploadData

SDIE_FocusPositionResult

Summary

Notify the focus position result.

Description

- Event Code: `0xC218`
- Parameter1: Result
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	NG
0x00000003	Canceled

Note

This event is notified when the following command is executed:

- Focus Position Setting

SDIE_LensInformationChanged

Summary

Notify that the lens information is changed.

Description

- Event Code: `0xC21B`
- Parameter1: None
- Parameter2: None
- Parameter3: None

SDIE_OperationResults

Summary

Notify the operation results.

Description

- Event Code: `0xC222`
- Parameter1: ResultCode
- Parameter2: Result
- Parameter3: Reserved

Parameter2

Value	Description
0x00000000	Invalid
0x00000001	OK

Value	Description
0x00000002	NG
0x00000003	Invalid Parameter Error
0x00000004	Camera Staus Error
0x00000011	Character Size Error

Note

ResultCode contains two kinds of information.
The upper 16-bit represents the code of the operation that caused this event.
The lower 16-bit represents operation-specific information, such as device property and control codes.

SDIE_AFStatus

Summary

Notify the AF status.

Description

- Event Code: `0xC223`
- Parameter1: Status
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
Any	The value of "Focus Indication (0xD213)"

SDIE_MovieRecOperationResults

Summary

Notify the execution results of Movie Rec Operation.

Description

- Event Code: `0xC224`
- Parameter1: Results
- Parameter2: None
- Parameter3: None

Parameter1

Value	Description
0x00000000	Invalid
0x00000001	OK
0x00000002	NG

Data Format

Data Formats are represented in a pseudo-language.

Syntax:

- `Name: Type`: Define a variable or field with name and type separated by a colon :
- `Structures`: Data structures are represented using curly braces {}
- `Arrays`: Arrays are indicated by square brackets []
- `Comments`: Comments are represented by two slashes //
- `Types`: Same as PIMA 15740

FocalFrameInfo

```
type FocalFrameInfo {
  Information: {
    Version: UINT16; // Data version (100x value)
    reserved: UINT8[6];
  };
  reserved: UINT8[40];
  reservedArrrayNum: UINT16; // Number of reservedArrray
  reserved: UINT8[6];
  reservedArrray: {
    reserved: UINT8[24]
  }[]; // Variable-length
  FocusFrame: {
    X_Denominator: UINT32; // X Denominator (1024x value)
    Y_Denominator: UINT32; // Y Denominator (1024x value)
    FrameNum: UINT16; // Number of Focus Frame
    reserved: UINT8[6];
    Frame: {
      Type: FocusFrameType;
      State: FocusFrameState;
      Priority: UINT8; // The smaller the value, the higher the priority
      reserved: UINT8[3];
      X_Numerator: UINT32; // X Numerator (1024x value)
      Y_Numerator: UINT32; // Y Numerator (1024x value)
      Height: UINT32; // Height (1024x value)
      Width: UINT32; // Width (1024x value)
    }[]; // Variable-length
  };
  FaceFrame: { // Version 1.01 or later
    X_Denominator: UINT32; // X Denominator (1024x value)
    Y_Denominator: UINT32; // Y Denominator (1024x value)
    FrameNum: UINT16; // Number of Face Frame
    reserved: UINT8[6];
    Frame: {
      Type: FaceFrameType;
      State: FaceFrameState;
      Selection: SelectionState;
      Priority: UINT8; // The smaller the value, the higher the priority
      reserved: UINT8[2];
      X_Numerator: UINT32; // X Numerator (1024x value)
      Y_Numerator: UINT32; // Y Numerator (1024x value)
```

```
      Height: UINT32; // Height (1024x value)
      Width: UINT32; // Width (1024x value)
    }[]; // Variable-length
  };
  TrackingFrame: { // Version 1.01 or later
    X_Denominator: UINT32; // X Denominator (1024x value)
    Y_Denominator: UINT32; // Y Denominator (1024x value)
    FrameNum: UINT16; // Number of Tracking Frame
    reserved: UINT8[6];
    Frame: {
      Type: TrackingFrameType;
      State: TrackingFrameState;
      Priority: UINT8; // The smaller the value, the higher the priority
      reserved: UINT8[3];
      X_Numerator: UINT32; // X Numerator (1024x value)
      Y_Numerator: UINT32; // Y Numerator (1024x value)
      Height: UINT32; // Height (1024x value)
      Width: UINT32; // Width (1024x value)
    }[]; // Variable-length
  };
};

enum FocusFrameType: UINT16
{
  PhaseDetection_AFSensor     = 0x0001,
  PhaseDetection_ImageSensor  = 0x0002,
  Wide                        = 0x0003,
  Zone                        = 0x0004,
  CentralEmphasis             = 0x0005,
  ContrastFlexibleMain        = 0x0006,
  ContrastFlexibleAssist      = 0x0007,
  Contrast                    = 0x0008,
  ContrastUpperHalf           = 0x0009,
  ContrastLowerHalf           = 0x000A,
  DualAFMain                  = 0x000B,
  DualAFAssist                = 0x000C,
  NonDualAFMain               = 0x000D,
  NonDualAFAssist             = 0x000E,
  FrameSomewhere              = 0x000F,
  Cross                       = 0x0010,
};
enum FocusFrameState: UINT16
{
  NotFocused          = 0x0001,
  Focused             = 0x0002,
  FocusFrameSelection = 0x0003,
  Moving              = 0x0004,
  RangeLimit          = 0x0005,
  RegistrationAF      = 0x0006,
  Island              = 0x0007,
};
enum FaceFrameType: UINT16
{
  DetectedFace             = 0x0001,
  AF_TargetFace            = 0x0002,
  PersonalRecognitionFace  = 0x0003,
  SmileDetectionFace       = 0x0004,
  SelectedFace             = 0x0005,
  AF_TargetSelectionFace   = 0x0006,
  SmileDetectionSelectFace = 0x0007,
};
enum FaceFrameState: UINT16
```

```
{
  NotFocused  = 0x0001,
  Focused     = 0x0002,
};
enum SelectionState: UINT8
{
  Unselected  = 0x01,
  Selected    = 0x02,
};
enum TrackingFrameType: UINT16
{
  NonTargetAF  = 0x0001,
  TargetAF     = 0x0002,
};
enum TrackingFrameState: UINT16
{
  NotFocused  = 0x0001,
  Focused     = 0x0002,
};
```

DisplayStringList

```
type DisplayStringList {
  Information: {
    ListTypeNum: UINT16; // If unsupported "Display String List Type" is specified
                         // or "String List" to be notified does not exist, 0 is stored
    reserved: UINT8[2];
  };
  ListTypes: {
    ListType: UINT32; // ListTypeValue
    DataType: UINT16; // Type (same as PIMA 15740)
    DisplayStringNum: UINT16; // Number of DisplayString
    DisplayStrings: {
      Value: (Depends on DataType);
      StringSize: UINT16; // Size of DisplayString
      DisplayString: UINT8[]; // UTF-8 string containing null characters
    }[]; // Variable-length
  }[]; // Variable-length
};
```

LensInformation

```
type LensInformation {
  Information: {
    Version: UINT16; // Data version (100x value)
    TableNum: UINT16; // Number of Tables
  };
  Tables: {
    ListNum: UINT16; // Number of ConversionLists
    reserved: UINT8[2];
    ConversionLists: {
      NormalizedValue: UINT32; // Normalized focus position
      FocusPosition: UINT32; // 100 times the distance (feet or meters),
                             // for example 20 = 0.2
    }[]; // Variable-length
  }[]; // Variable-length
};
```

FTPSettingList

```
type FTPSettingList {
  Information: {
    Version: UINT16; // Data version (100x value)
    reserved: UINT8[2];
  };
  FTPSettingNum: UINT32 // Number of FTPSettings
  FTPSettings: {
    FTPServerID: UINT16; // Server Settings Destination
    ServiceType: UINT8;
    DisplayNameSize: UINT16; // Size of DisplayName
    DisplayName: UINT8[]; // Display Name on Menu
                          // UTF-8 string containing null characters
    HostNameSize: UINT16; // Size of HostName
    HostName: UINT8[]; // Destination server's hostname
                       // UTF-8 string containing null characters
    PortNumber: UINT16; // Destination server's port number
    UserNameSize: UINT16; // Size of UserName
    UserName: UINT8[]; // UTF-8 string containing null characters
    PasswordExists: UINT8;
    PasswordSize: UINT16; // Size of Password
                          // Set to zero if no password is specified
    Password: UINT8[]; // Not used for GET requests
                       // UTF-8 string containing null characters
    PassiveMode: UINT8;
    DestinationDirectorySize: UINT16; // Size of DestinationDirectory
    DestinationDirectory: UINT8[]; // UTF-8 string containing null characters
    UsingSecureProtocol: UINT8;
    DirectoryHierarchyType: UINT8; // Version 1.01 or later
    SameNameFileOverwriteType: UINT8; // Version 1.01 or later
    RootCertificateErrorSetting: UINT8; // Available only when using FTPS
                                        // Version 1.01 or later
  }[]; // Variable-length
};

enum ServiceType: UINT8
{
  Invalid = 0x00,
  FTP     = 0x01,
};
enum PasswordExists: UINT8
{
  PasswordFieldIsInvalid  = 0x00,
  PasswordFieldIsValid    = 0x01,
};
enum PassiveMode: UINT8
{
  Invalid        = 0x00,
  PassiveModeOff = 0x01, // Active Mode On
  PassiveModeOn  = 0x02,
};
enum UsingSecureProtocol: UINT8
{
  Invalid = 0x00,
  Off     = 0x01, // Does not use secure FTP transfer
  On_FTPS = 0x02,
  On_SFTP = 0x03, // Version 1.02 or later
};
enum DirectoryHierarchyType: UINT8
{
```

```
  Invalid        = 0x00,
  Standard       = 0x01,
  SameAsInCamera = 0x02,
};
enum SameNameFileOverwriteType: UINT8
{
  Invalid          = 0x00,
  Overwrite        = 0x01,
  DoesNotOverwrite = 0x02,
};
enum RootCertificateErrorSetting: UINT8
{
  Invalid         = 0x00,
  Connect         = 0x01,
  DoesNotConnect  = 0x02,
};
```

FTPJobList

For Add

```
type FTPJobList {
  Information: {
    Version: UINT16; // Data version (100x value)
    reserved: UINT8[2];
  };
  JobInfoNum: UINT32; // Additional number of JobInfo
  JobInfo: {
    JobInfoSize: UINT32; // Size of JobInfo (including its own size)
                         // Version 1.01 or later
    ServerID: UINT32; // Destination server ID
    SlotID: UINT32;
    ClipPathSize: UINT8; // Size of ClipPath
    ClipPath: UINT8[]; // Specify the relative path from MediaProfile
                       // For example, "/Clip/000_0001.MXF"
                       // UTF-8 string containing null characters
    MetaPathSize: UINT8; // Size of MetaPath
                         // Set to zero if not specified
    MetaPath: UINT8[]; // File path for metadata
                       // UTF-8 string containing null characters
    SmiPathSize: UINT8; // Size of SmiPath
                        // Set to zero if not specified
    SmiPath: UINT8[]; // File path for TakeInfo
                      // UTF-8 string containing null characters
    TransferDirSize: UINT16; // Size of TransferDir
                             // Set to zero if not specified
    TransferDir: UINT8[]; // Transfer directory
                          // UTF-8 string containing null characters
    InFrame: UINT32; // In point (for trimming), Set to 0 if not used
                     // Version 1.01 or later
    OutFrame: UINT32; // Out point (for trimming), Set to 0 if not used
                      // Version 1.01 or later
    Duration: UINT32; // Original clip frame count, Set to 0 if not used
                      // Version 1.01 or later
    DestClipNameSize: UINT8; // Size of DestClipName
                             // Set to zero if not specified (specify less than 128)
                             // Version 1.01 or later
    DestClipName: UINT8[]; // Destination file name
                           // Version 1.01 or later
    LastUpdateSize: UINT8; // Size of LastUpdate
```

```
                          // Set to zero if not specified (specify less than 255)
                          // Version 1.01 or later
    LastUpdate: UINT8[]; // Update time
                          // For example, "2018-01-07T03:56:21+09:00"
                          // Version 1.01 or later
    UmidSize: UINT8; // Set to zero if not specified (specify 32 if used)
                     // Version 1.01 or later
    Umid: UINT8[32]; // umid
                     // Version 1.01 or later
    VideoCodecValue: UINT32; // Specify the value of "VideoCodecValue"
                             // from "Movie Trimming Transfer Support Information"
                             // Set to 0 if not used
                             // Version 1.01 or later
    reserved: INT8; // Always specify 0x01
                    // Version 1.01 or later
    reserved: INT8; // Always specify 0x01
                    // Version 1.01 or later
  }[]; // Variable-length
};

enum SlotID: UINT32
{
  Invalid     = 0x00000000,
  Media SLOT1 = 0x00000001,
  Media SLOT2 = 0x00000002,
  Media SLOT3 = 0x00000003,
};
```

For Get

```
type FTPJobList {
  Information: {
    Version: UINT16; // Data version (100x value)
    reserved: UINT8[2];
  };
  SyncID: UINT32 // Sync ID for FTP Job List
  JobInfoNum: UINT32; // Number of JobInfo
  JobInfo: {
    JobInfoSize: UINT32; // Size of JobInfo (including its own size)
                         // Version 1.01 or later
    JobID: UINT32; // Job ID
    ServerID: UINT32; // Destination server ID
    SlotID: UINT32;
    JobStatus: UINT32;
    ChunkNum: UINT32; // Total number of chunks
    FileSize: UINT64; // File size
    TransferSize: UINT64; // Transferred Size
    ClipNameSize: UINT8; // Size of ClipName
    ClipName: UINT8[]; // Destination file name
                       // UTF-8 string containing null characters
    MainNameSize: UINT8; // Size of MainName
                         // Version 1.01 or later
    MainName: UINT8[]; // Original main file name
                       // UTF-8 string containing null characters
                       // Version 1.01 or later
    MetaNameSize: UINT8; // Size of MetaName
    MetaName: UINT8[]; // Original meta file name
                       // UTF-8 string containing null characters
                       // Version 1.01 or later
  }[]; // Variable-length
};
```

```
enum SlotID: UINT32
{
  Invalid       = 0x00000000,
  Media SLOT1   = 0x00000001,
  Media SLOT2   = 0x00000002,
  Media SLOT3   = 0x00000003,
};
enum JobStatus: UINT32
{
  Invalid                                  = 0x00000000,
  TransferWaiting                          = 0x00000100,
  Transferring                             = 0x00000200,
  Completed                                = 0x00000400,
  Aborted                                  = 0x00000800,
  OtherError                               = 0x00010000,
  AuthenticationError                      = 0x00010001,
  ServerCapacityOver                       = 0x00010002,
  NoFileToSendOrSourceNotAccessible        = 0x00010003,
  InvalidDestinationCertificateFormat      = 0x00010004,
  NoSourceMediaOrNotAccessible             = 0x00010005,
  DestinationHostNameNotResolvable         = 0x00010006,
  IncorrectDestinationServerSettings       = 0x00010007,
  UploadFailed                             = 0x00010008,
  DestinationCertificateNotYetValid        = 0x00010009,
  DestinationCertificateExpiredOrRevoked   = 0x0001000A,
  DestinationServerNotSupportingPassiveMode = 0x0001000B,
  SegmentTransferFailed                    = 0x0001000C
};
```

The display for each status can be obtained
from FTP.JobStatus.DisplayList in SDIO_GetDisplayStringList.

For Stop / Restart

```
type FTPJobList {
  Information: {
    Version: UINT16; // Data version (100x value)
    reserved: UINT8[2];
  };
  JobInfoNum: UINT32; // Number of JobInfo
  JobInfo: {
    JobInfoSize: UINT32; // Size of JobInfo (including its own size)
                         // Version 1.01 or later
                         // Specify 8
    JobID: UINT32; // Job ID
  }[]; // Variable-length
};
```

For Delete

```
type FTPJobList {
  Information: {
    Version: UINT16; // Data version (100x value)
    reserved: UINT8[2];
  };
  JobInfoNum: UINT32; // Number of JobInfo
                      // When specifying all contents or completed contents,
                      // specify 0xFFFF and do not store JobInfo.
  JobInfo: {
    JobInfoSize: UINT32; // Size of JobInfo (including its own size)
```

```
                    // Version 1.01 or later
                    // Specify 8
    JobID: UINT32; // Job ID
  }[]; // Variable-length
};
```

Tips

Linking GPS Information with Shooting Images

After shooting, if the information recorded in the Exif tag of the image file is collated with the GPS information, the image can be synchronized with the GPS information with high accuracy by using the "ImageID" feature. The ImageID provided is stored in the Exif data of the image, in Exif tags `0x2042` and `0x2043`. After the flight, post-processing is required to reconcile the GPS data stored in the host with each image, using ImageID as a reconciliation index.

User App / GPS module — **Camera**

1. Set "Image ID (Numerical Value) Setting" to on

SDIO_SetExtDevicePropValue (DevicePropCode: 0xD092)

Data (DevicePropValue:0x02)

Response (OK)

2. Set "Image ID (String)" (e.g. "Flight A")

SDIO_SetExtDevicePropValue (DevicePropCode: 0xD04C)

Data (DevicePropValue:"Flight A")

Response (OK)

3. Set "Image ID (Numerical)" (e.g. 0x00000001)

SDIO_SetExtDevicePropValue (DevicePropCode: 0xD04B)

Data (DevicePropValue:0x00000001)

Response (OK)

4. Ensure the properties are updated

SDIO_GetAllExtDevicePropInfo ()

Data (SDIExtDevicePropInfo Dataset Array)

Response (OK)

Check that the values of
"Image ID (Numerical Value) Setting,"
"Image ID (String),"
and "Image ID (Numerical)" are desired values

5. Take a photo

Request single shot using controls (0xD2C1 and 0xD2C2)

6. Acquire shooting timing with multi interface shoe/flash sync terminal signal

Obtain and save GPS information
(location, time, etc.) from the user's GPS module
in the host with the same ImageID

Write "Flight A" and 0x00000001 in Exif

alt   ["Still Image Save Destination" contains "Host Device"]

If "Still Image Save Destination" is
set to "Camera (Memory Card),"
this sequence will not occur,
and the performance will slightly improve

Get the latest image from the camera using GetObjectInfo and GetObject

When the JPEG file transferred to the host PC
is opened with image analysis software,
"Flight A" and 0x00000001 can be seen in the Exif tag

7. Set "Image ID (Numerical)" (e.g. 0x00000002)

SDIO_SetExtDevicePropValue (DevicePropCode: 0xD04B)

Data (DevicePropValue:0x00000002)

Response (OK)

Repeat from here on

User App / GPS module — **Camera**

More Information

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