

ACTi SDK-10000 URL Command Edition V1.4

Programming Guide



ACTi SDK-10000

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V1.4 Edition Nov, 2006

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MPEG4 Category

This category lists the commands that is related to MPEG-4 settings.

The syntax of the command is listed as follow:

http://<IP Address>/cgi-bin/mpeg4?USER=<Account Name>&PWD=<Password>&<Parameters> or

http://<Account Name>:<Password>@<IP Address>/cgi-bin/cmd/mpeg4?<Parameters>

The notation of the value inside is listed as follow:

- R: Read
- W: Write
- *: On the fly change. Does not need to execute save and reboot to the firmware; all other parameters without * mark need to run save and reboot to the firmware to take effect.
- **G**: Global setting, meaning that when user sets the value for Global setting, then all channels in the sub-unit are applied automatically
- --: Not supported
- C: Individual channels under a multi-channel device
- **RED Color>**: Indicates that the setting of 2-channel device is different from that of 8-channel devices

	MPEG4				
Parameter	Value	Format	1-CH	2-CH	8-CH
VIDEO_BRIGHTNESS	0~100	<value></value>	RW*	G:,C:RW*	G:,C:RW*
VIDEO_CONTRAST	0~100	<value></value>	RW*	G:,C:RW*	G:,C:RW*
VIDEO_SATURATION	0~100	<value></value>	RW*	G:,C:RW*	G:,C:RW*
VIDEO_HUE	0~100	<value></value>	RW*	G:,C:RW*	G:,C:RW*
VIDEO_RESOLUTION	NTSC: N720x480/N352x240/N160x112	<string></string>	RW*	G:,C:RW*	G:,C:RW*
	PAL: P720x576/P352x288/P176x144				
VIDEO_BITRATE	28K/56K/128K/256K/384K/500K/750K /	<string></string>	RW*	G:,C:RW*	G:,C:RW*
	1M/1.2M/1.5M/2M/2.5M/3M				
VIDEO_FPS_NUM	1/2/3/4/5/6/7/10/15/30 for NTSC 1/2/3/4/5/6/8/12/25 for PAL	<value></value>	RW*	G:,C:RW*	G:,C:RW*
VIDEO_CAMERA_NAM E	Max sizes: 20 bytes	<string></string>	RW	G:,C:RW	G:,C:RW
VIDEO_STATUS	VIDEO_BRIGHTNESS='43'	text/plain	RO*	G:,C:RO*	G:,C:RO*
	VIDEO_CONTRAST='50'				
	VIDEO_SATURATION='58'				
	VIDEO_HUE='50'				
	VIDEO_RESOLUTION='N720x480'				
	VIDEO_BITRATE='1.2M'				
	VIDEO_FPS='MODE1'				
	VIDEO_FPS_NUM='30'				
	VIDEO_CAMERA_NAME='Camera-1'				
DIO_OUTPUT	0x00: DO1 LOW, DO2 LOW	<hex></hex>	WO*	G:WO*,C:	G:,C:RW*
	0x01: DO1 HI, DO2 LOW				
	0x02: DO1 LOW, DO2 HI				
	0x03: DO1 HI, DO2 HI				
DIO_STATUS	BIT0: DI1 status	text/plain	RO*	G:RO*,C:	G:,C:RW*
	BIT1: DI2 status				
	BIT2: Reserved				
	BIT3: Reserved				
	BIT4: DO1 status				
	BIT5: DO2 status				
	BIT6: Reserved				
	BIT7: Reserved				
MOTION_ENABLED	0x00: Disabled	<hex></hex>	RW*	G:,C:RW*	G:,C:RW*
		1		I .	<u> </u>

	0x01: Enabled				
MOTION_SETTING	window: 1~3 x_upper: NTSC:0~720/PAL:0~720 y_upper: NTSC:0~720/PAL:0~720 x_bottom: NTSC:0~480/PAL:0~576 y_bottom: NTSC:0~480/PAL:0~576 sensitive: 0~100	<window><x_ upper>,<y_up per>,<x_botto m>,<y_botto m><sensitive ></sensitive </y_botto </x_botto </y_up </x_ </window>	WO*	G:,C:WO*	G:,C:WO*
MOTION_SENSITIVE	window: 1~3 sensitive: 0~100	<window>,<s ensitive></s </window>	WO*	G:,C:WO*	G:,C:WO*
MOTION_STATUS	MOTION_STATUS=1,0,0,0,0,0,0 MOTION_STATUS=2,0,0,0,0,0 MOTION_STATUS=3,0,0,0,0,0	text/plain	RO*	G:,C:RO*	G:,C:RO*
SERIAL_SETTING	line: 8N1/8O1/8E1 baudrate: 2400/4800/9600/19200 38400/57600/115200	ate>	RW*	G:RW*,C:	G:,C:RW*
SERIAL_ASCII	ascii string	<ascii string=""></ascii>	WO*	G:WO*,C:	G:,C:WO*
SERIAL_HEX	hex string	<hex string=""></hex>	WO*	G:WO*,C:	G:,C:WO*
VIDEO_VARIABLE_FPS	id: get session id form sdk fps: NTSC: 1/3/6/30 PAL : 1/3/5/25	<id>,<fps></fps></id>	WO*	G:,C:WO*	G:,C:WO*
RTP_MULTICAST_STR EAMING	PLAY/PAUSE	<string></string>	RW*	G:,C:RW*	G:,C:RW*

SYSTEM Category

This category lists the commands that is related to system settings.

The syntax of the command is listed as follow:

http://<IP Address>/cgi-bin/system?USER=<Account Name>&PWD=<Password>&<Parameters> or

http://<Account Name>:<Password>@<IP Address>/cgi-bin/cmd/system?<Parameters>

The notation of the value inside is listed as follow:

- R: Read
- W: Write
- *: On the fly change. Does not need to execute save and reboot to the firmware; all other parameters without * mark need to run save and reboot to the firmware to take effect.
- **G**: Global setting, meaning that when user sets the value for Global setting, then all channels in the sub-unit are applied automatically
- --: Not supported
- C: Individual channels under a multi-channel device

RED Color>: Indicates that the setting of 2-channel device is different from that of 8-channel devices

SYSTEM					
Parameter	Value	Format	1-CH	2-CH	8-CH
SAVE_REBOOT	SAVE_REBOOT OK	text/plain	WO*	G:WO*,C	G:WO*,C:WO*
SAVE	Save Finish	Test/plain	wo	G:WO,C	G:WO,C:WO
REBOOT	REBOOT OK	text/plain	WO*	G:WO*,C	G:WO*,C:WO*
FACTORY_DEFAULT	Factory Default Finish	text/plain	wo	G:WO,C	G:WO,C:WO
SYSTEM_INFO	Firmware Version = A1D-P2N-V2.00.07-AC	text/plain	RO*	G:RO*,C	G:RO*,C:RO*
	MAC Address = 00:0F:7C:00:00:67				
	Production ID = SED2400-04I-8-00027				
	Factory Default Type = NTSC, Composite, Two Ways Audio (0x71)				
SYSTEM_PROPERTY	SYSTEM='E'	text/plain	RO*	G:RO*,C	G:RO*,C:RO*
	TYPE='A'				
	NO_OF_CHANNEL='01'				
	MULTIPLEXING='X'				
	NO_OF_AUDIO_WAYS='2'				
	AUDIO_TYPE='PCM'				
	MOTION_TYPE='0'				
	PROTOCOL_TYPE='2'				
LAN_HOSTNAME	Max size: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:
WAN	WAN_TYPE='1'	text/plain	RO*	G:RO*,C	G:RO*,C:
	WAN_IP='10.0.0.1'				
	WAN_NETMASK='255.255.255.0'				
	WAN_GATEWAY='10.0.0.254'				
	WAN_PPPOE_USERNAME="				
	WAN_PPPOE_PASSWORD=				
WAN_TYPE	1: Dynamic IP	<value></value>	RW	G:RW,C	G:RW,C:
	2: Static IP				
	3: PPPoE				
WAN_IP	Static ip address	<ip address=""></ip>	RW	G:RW,C	G:RW,C:
WAN_NETMASK	Static netmask ip	<ip address=""></ip>	RW	G:RW,C	G:RW,C:
WAN_GATEWAY	Static gateway ip	<ip address=""></ip>	RW	G:RW,C	G:RW,C:
WAN_PPPOE_USERNAM E	Max sizes: 60bytes	<string></string>	RW	G:RW,C	G:RW,C:
WNA_PPPOE_PASSWOR D	Max sizes: 60bytes	<string></string>	RW	G:RW,C	G:RW,C:
WAN_STATUS	IP Address : 172.16.3.15	text/plain	RO*	G:RO*,C	G:RO*,C:
	Netmask : 255.255.255.0				

	1	1	1	1	1
	Gateway : 172.16.3.253				
	DNS Server : 172.16.5.19 172.16.5.22				
	DNS Host:				
	WAN Connect Status : Connect				
	DNS Connect Status : Connect				
	DDNS Connect Status : Disconnect				
V2_WAN_STATUS	WAN_TYPE=`1`	text/plain	RO*	G:RO*,C:	G:RO*,C:
	WAN_IP='172.16.3.27'				
	WAN_NETMASK='255.255.255.0'				
	WAN_GATEWAY='172.16.3.253'				
DNS_PRIMARY	Primary domain name server	<ip address=""></ip>	RW	G:RW,C:	G:RW,C:
DNS_SECONDARY	Secondary domain name server	<ip address=""></ip>	RW	G:RW,C:	G:RW,C:
DNS	DNS_PRIMARY="	text/plain	RO*	G:RO*,C	G:RO*,C:
	DNS_SECONDARY="				
DDNS_TYPE	1: Disabled	<value></value>	RW	G:RW,C	G:RW,C:
	2: Enabled				
DDNS_HOSTNAME		<string></string>	RW	G:RW,C	G:RW,C:
DDNS_SERVICE	dyndns: members.dyndns.org	<string></string>	RW	G:RW,C	G:RW,C:
	qdns: members.3322.org				
	ezip: www.EZ-IP.Net				
	pgpow: www.penguinpowered.com				
	dhs: members.fhs.org				
	ods: update.ods.com				
	tzo: cgi.tzo.com				
	easydns: members.easydns.com				
	justlinux: www.justlinux.com				
	dyns: www.dyns.cx				
	hn: www.hn.org				
	zoneedit: www.zoneedit.com				
DDNS_USERNAME	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:
DDNS_PASSWORD	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:
DDNS	DDNS_TYPE='1'	text/plain	RO*	G:RO*,C	G:RO*,C:
	DDNS_HOSTNAME="				
	DDNS_SERVICE='dyndns'				
	DDNS_USERNAME="				
	DDNS_PASSWORD="				
DATE_TYPE	1: Manual setting	<value></value>	RW	G:RW,C	G:RW,C:
	2: NTP/SNTP				
DATE_SNTP_IP		<ip address=""></ip>	RW	G:RW,C	G:RW,C:
	•			•	·

DATE_SNTP_UPDATE	30: 5 min	<value></value>	RW	G:RW,C	G:RW,C:
	3600: 1 hour				
	21600: 6 hour				
	43200: 12 hour				
	86400: 1 day				
DATE_MANUAL_DATE	MM: Month	<mmddhhmm< td=""><td>RW</td><td>G:RW,C</td><td>G:RW,C:</td></mmddhhmm<>	RW	G:RW,C	G:RW,C:
	DD: Day	YYYY>			
	hh: Hour				
	mm: Minute				
	YYYY: Year				
DATE_MANUAL_TIME	hh: Hour	< hh:mm:ss>	RW	G:RW,C	G:RW,C:
	mm: Minute				
	ss: Second				
DATE_MANUAL_ZONE	-12 ~ +00 ~ +13	<string></string>	RW	G:RW,C	G:RW,C:
DATE	DATE_TYPE='2'	text/plain	RO*	G:RO*,C	G:RO*,C:
	DATE_SNTP_IP='192.168.0.2'				
	DATE_SNTP_UPDATE='86400'				
	DATE_MANUAL_DATE='0101000020 04'				
	DATE_MANUAL_TIME='00:00:00'				
	DATE_MANUAL_ZONE='+00'				
VIDEO_TOS_TYPE	1: Disabled	<value></value>	RW	G:RW,C	G:RO*,C:RW
	2: Enabled				G=CH 1
VIDEO_TOS_PRIORITY	Minimize-Delay	<string></string>	RW	G:RW,C	G:RO*,C:RW
	Maximize-Throughput				G=CH 1
	Maximize-Reliability				
	Minimize-Cost				
	Normal-Service				
TOS	VIDEO_TOS_TYPE='1'	text/plain	RO*	G:RO*,C	G:RO*,C:RO*
	VIDEO_TOS_PRIORITY='Normal-Ser vice'				G=CH 1
ACCOUNT_ROOT_NAME	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_ROOT_PASS WORD	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME _1	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_1	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME _2	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_2	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*

ACCOUNT_USER_NAME _3	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_3	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME _4	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_4	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME _5	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_5	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_6	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME _7	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_7	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME8	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_8	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME _9	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_9	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_NAME10	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT_USER_PASS WORD_10	Max sizes: 30bytes	<string></string>	RW	G:RW,C	G:RW,C:RO*
ACCOUNT	ACCOUNT_ROOT_NAME='Admin'	text/plain	RO*	G:RO*,C	G:RW,C:RO*
	ACCOUNT_ROOT_PASSWORD='123 456'	-			
	ACCOUNT_USER_NAME_1="				
	ACCOUNT_USER_PASSWORD_1="				
	ACCOUNT_USER_NAME_2="				
	ACCOUNT_USER_PASSWORD_2="				
	ACCOUNT_USER_NAME_3="				
	ACCOUNT_USER_PASSWORD_3="				
	ACCOUNT_USER_NAME_4="				
	ACCOUNT_USER_PASSWORD_4="				
	ACCOUNT_USER_NAME_5="				
	ACCOUNT_USER_PASSWORD_5="				

	ACCOUNT HOED WATER A !!	1	1	1	
	ACCOUNT_USER_NAME_6="				
	ACCOUNT_USER_PASSWORD_6="				
	ACCOUNT_USER_NAME_7="				
	ACCOUNT_USER_PASSWORD_7="				
	ACCOUNT_USER_NAME_8="				
	ACCOUNT_USER_PASSWORD_8="				
	ACCOUNT_USER_NAME_9="				
	ACCOUNT_USER_PASSWORD_9="				
	ACCOUNT_USER_NAME_10="				
	ACCOUNT_USER_PASSWORD_10='				
	1				
PORT_HTTP	Http port number	<value></value>	RW	G:RW,C:	G:RW,C:RO*
PORT_SEARCH_1	Client send search command to this	<value></value>	RW	G:RW,C:	G:RW,C:RO*
	port				
PORT_SEARCH_2	Server return search result to this port	<value></value>	RW	G:RW,C:	G:RW,C:RO*
PORT_REGISTER	Register port for TCP1.0 streaming	<value></value>	RW	G:,C:	G:,C:
PORT_CONTROL	IO Control port for TCP1.0/2.0 streaming	<value></value>	RW	G:,C:RW	G:RW,C:RO*
PORT_VIDEO	Video/Audio streaming port for TCP1.0/2.0	<value></value>	RW	G:,C:RW	G:RW,C:RO*
PORT_MULTICAST	Multicast streaming port for TCP1.0/2.0	<value></value>	RW	G:RW,C:	G:RW,C:RO*
V2_PORT_RTSP	RTSP port number	<value></value>	RW	G:,C:RW	G:RW,C:RO*
PORT	PORT_HTTP='80'	text/plain	RO*	G:,C:RO*	G:RO*,C:RO*
	PORT_SEARCH_1='6005'				
	PORT_SEARCH_2='6006'				
	PORT_REGISTER='6000'				
	PORT_CONTROL='6001'				
	PORT_VIDEO='6002'				
	PORT_MULTICAST='5000'				
	V2_PORT_RTSP='7070'				
LANGUAGE	0: English	<value></value>	RW	G:RW,C:	G:RW,C:RO*
	1: Traditional Chinese				
	2: Simplified Chinese				
	3: Japanese				
	4: Spanish				
	5: Italian				
	6: German				
	7: Portuguese				
	1 "	L	1	1	

	8: Czech				
	9: French				
V2_STREAMING_TYPE	1: TCP Version 1.0	<value></value>	RW	G:RW,C	G:RO,C:RO*
	2: TCP Version 2.0				
V2_STREMAING_METHO	0: TCP Only for TCP2.0	<value></value>	RW	G:RW,C	G:,C:RW
D	1: Multicast Only for TCP2.0				
	2: TCP & Multicast for TCP2.0				
	3: RTP over UDP for TCP2.0				
	4: RTP over Multicast for TCP2.0				
	5: RTP over UDP & Multicast for TCP2.0				
V2_MULTICAST_IF	0: LAN Port	<value></value>	RW	G:RW,C	G:RO, C:
	1: WAN Port				
V2_MULTICAST_IP	224.3.1.0 ~ 239.255.255.255 for TCP2.0	<ip address=""></ip>	RW	G:,C:RW	G:RW,C:RO*
V2_PORT_RTP_MULTI_V IDEO	Video port for rtp over multicast	<value></value>	RW	G:,C:RW	G:RW,C:RO*
V2_PORT_RTP_MULTI_A UDIO	Audio port for rtp over multicast	<value></value>	RW	G:,C:RW	G:RW,C:RO*
V2_FAILOVER	0: Disabled	<value></value>	RW	G:RW,C:	G:, C:
	1: Enabled				
IGMP_ENABLED	0: Disabled	<value></value>	RW	G:RW,C:	G:RW,C:RO*
	1: Enabled				
SPEED_LAN	0: Auto detect speed	<value></value>	RW	G:RW,C:	G:, C:
	1: 100Mbps/Full Duplex				
	2: 100Mbps/Half Duplex				
	3: 10Mbps/Full Duplex				
	4: 10Mbps/Half Duplex				
SPEED_WAN	0: Auto detect speed	<value></value>	RW	G:RW,C	G:RW,C
	1: 100Mbps/Full Duplex				
	2: 100Mbps/Half Duplex				
	3: 10Mbps/Full Duplex				
	4: 10Mbps/Half Duplex				
VIDEO_MULTICAST_TTL	1~255	<value></value>	RW	G:,C:RW	G:RO*, C:RW
VIDEO_MULTICAST_IP	1~255 multicast ip for TCP1.0	<value></value>	RW	G:,C:	G:,C
VIDEO_LAN	DISABLE/TCP MULTICAST	<value></value>	RW	G:,C:	G:,C
	Streaming method for TCP1.0				
VIDEO_WAN	DISABLE/TCP MULTICAST	<value></value>	RW	G:,C:	G:,C
	Streaming method for TCP1.0				

HTTP Code Status

HTTP Code	HTTP Text	Description
200	OK	The request has succeeded, but an application error can still occur, which will be returned as an application error code.
204	No Content	The server has fulfilled the request, but there is no new information to send back.
400	Bad Request	The request had bad syntax or was inherently impossible to be satisfied.
401	Unauthorized	The request requires user authentication or the authorization has been refused.
404	Not Found	The server has not found anything matching the request.
409	Conflict	The request could not be completed due to a conflict with the current state of the resource.
500	Internal Error	The server encountered an unexpected condition which prevented it from fulfilling the request.
503	Service Unavailable	The server is unable to handle the request due to temporary overload.

Example :

Return success http context

 $HTTP/1.0 200 OK\r\n$

Content-Type: text/plain\n

\n

Return failed http context

 $HTTP/1.0 200 OK\r\n$

Content-Type: text/plain\n

\n

ERROR: error description

2 URL Sample Code

URL Command for Mpeg4

CHANNEL=n might be added in the URL command where n is in the range of 1 to maximum channels. For example, the n is in the range of 1 and 8 for the 8-channel video server device. The CHANNEL=n should be followed by PWD parameter in an URL command.

If the CHANNEL=n is missed in this method (mpeg4), the CHANNEL=1 is used when read.

How to get video status

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_STATUS

How to get brightness

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_BRIGHTNESS

How to set brightness

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_BRIGHTNESS=a

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_BRIGHTNESS	a: 0 ~ 100	0: -25IRE
		50: 0IRE
		100: 25IRE

How to get contrast

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_CONTRAST

How to set contrast

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_CONTRAST=a

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_CONTRAST	a: 0 ~ 100	0: 0%

	50: 100%
	• • • •
	100: 200%

How to get saturation

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_SATURATION

How to set saturation

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_SATURATION=a

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_SATURATION	A: 0 ~ 100	0: 0%
		50: 100%
		100: 200%

How to get hue

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_HUE

How to set hue

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_HUE=a

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_BRIGHTNESS	a: 0 ~ 100	0: -180 degree
		50: 0 degree
		100: 180 degree

How to get resolution

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_RESOLUTION

How to set resolution

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_RESOLUTION=xxxx

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_RESOLUTION	Xxxx: string	N720x480: NTSC 720x480
		N320x240: NTSC 320x240
		N160x112: NTSC 160x112
		P720x576: PAL 720x576
		P352x288: PAL 352x288
		P176x144: PAL 176x144

How to get bitrate

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_BITRATE

How to set bitrate

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_BITRATE=xxxx

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_BITRATE	xxxx: string	28K: 28K bps
		56K: 56K bps
		128K: 128K bps
		256K: 256K bps
		384K: 384K bps
		500K: 500K bps
		750K: 750K bps
		1M: 1M bps
		1.5M: 1.5M bps
		2M: 2M bps
		2.5M: 2.5M bps
		3M: 3M bps

How to get fps

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_FPS_NUM

How to set fps

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_FPS_NUM=a

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_FPS_NUM	a: NTSC - 1,2,3,4,5,6,7,10,15,30	
	PAL - 1,2,3,4,5,6,8,12,25	

How to get camera name

Syntax

http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_CAMERA_NAME

How to set camera name

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_CAMERA_NAME=xxxx

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_CAMERA_NAME	Xxxx: string	String max length : 15 bytes

How to get DIO status

Syntax	http://19	2.168.1.1/cgi-bin/mpeg4?US	ER=Admin&PWD=123456&CHANNEL=n&DIO_STATUS
<pre><paramet< pre=""></paramet<></pre>	er>	<values></values>	Description
CHANNEL			Rackmount : Support
			Multi-Channel : Not Support
DIO_STAT	US	0xnn: hexadecimal	BIT0: DI1 status
			BIT1: DI2 status
			BIT2: Reserved
			BIT3: Reserved
			BIT4: DO1 status
			BIT5: DO2 status
			BIT6: Reserved
			BIT7: Reserved

How to set DO

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&DIO_OUTPUT=0xnn

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support
DIO_OUTPUT	0xnn: hexadecimal	0x00 : DO1 LOW, DO2 LOW
		0x01 : DO1 HI, DO2 LOW
		0x02 : DO1 LOW, DO2 HI
		0x03 : DO1 HI, DO2 HI

How to get motion enabled

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&MOTION_ENABLED

How to set motion enabled

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&MOTION_ENABLED=0xnn

<pre><parameter></parameter></pre>	<values></values>	Description
MOTION_ENABLED	0xnn: 0x00,0x01	0x00 : Motion disabled
		0x01 : Motion enabled

How to get motion config

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&MOTION_STATUS

How to set motion config

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&MOTION_SETTING=a,b,c,d,e

<pre><parameter></parameter></pre>	<values></values>	Description
MOTION_SETTING	a: 1 ~ 3	a: region number
	b: 0 ~ 720	b: x upper
	c: 0 ~ 480/576	c: y upper
	d: 0 ~ 720	d: x lower
	f: 0 ~ 480/576	f: y lower
	g: 0 ~ 100	g: sensitive

How to set motion sensitive

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&MOTION_SENSITIVE=a,b

<pre><parameter></parameter></pre>	<values></values>	Description
MOTION_SETTING	a: 1 ~ 3	a: region number
	b: 0 ~ 100	b:
		0: less sensitive
		50: middle sensitive
		100: more sensitive

How to get serial config

Syntax

http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&SERIAL_SETTING

How to set serial config

Syntax ht

http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&SERIAL_SETTING=xxxx,a

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support
SERIAL_SETTING	xxxx: 8N1,801,8E1	xxxx: Line Control
	a: 2400,4800,9600,19200	a: Bitrate
	38400,57600,115200	

How to send ASCII to serial

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&SERIAL_ASCII=xxxxxxxxx

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

How to send HEX to serial

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&SERIAL_HEX=xxxxxxxx

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

How to on-fly-change variable fps

Syntax http://192.168.1.1/cgi-bin/mpeg4?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_VARIABLE_FPS=a,b

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_VARIABLE_FPS	a: client session id	A: get client session id from SDK
	b: variable frame rate	b: NTSC: 1,3,6,30
		PAL: 1,3,5,25

URL Command for System

CHANNEL=n might be added in the URL command where n is in the range of 1 to maximum channels. For example, the n is in the range of 1 and 8 for the 8-channel video server device. The CHANNEL=n should be followed by PWD parameter in an URL command.

How to save parameter to flash

Syntax	http://192.168.1.1/cgi-bin/update?USER=Admin&PWD=123456&SAVE
C 41	and counting file of another to the flesh

Save the configuration file of system to the flash

Syntax http://192.168.1.1/cgi-bin/update?USER=Admin&PWD=123456&CHANNEL=n&SAVE

Save the configuration file of the nth video server to the flash

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

Http return context

 $HTTP/1.0 200 OK\r\n$

Content-Type: text/plain\n

\n

Save Finish

How to reboot system

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&REBOOT		
	Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&REBOOT

Reboot the whole system included all of video servers

d	11
Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&REBOOT
_	1100F / / 1911100:11:17 031 2111/8/200m. 02211 110m11101 112 120 10 00 00 1111122 110m122001

Reboot the nth video server only

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

How to save parameter to flash and reboot system

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&SAVE_REBOOT		
Save the	Save the configuration file of system and reboot included all of video servers		
Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&SAVE_REBOOT		

Save the configuration file of the nth video server and reboot the nth video server

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support

How to set factory default

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&FACTORY_DEFAULT

Restore the factory default setting in the system

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&FACTORY_DEFAULT

Restore the factory default setting in the nth video server.

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

Http return context

 $HTTP/1.0 200 OK\r\n$

Content-Type: text/plain\n

\n

Factory Default Finish

How to get system information

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&SYSTEM_INFO

Read the SYSTEM INFO of the system.

Http return context

Firmware Version = A8D-R2N-V2.00.01-AC

MAC Address = 00:0F:7C:00:00:80

Production ID = SED2610

Factory Default Type = NTSC, Composite, Two Ways Audio (0x71).

NOTE: The return value of Factory Default Type is the CHANNEL=1 video server's value.

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&SYSTEM_INFO

Read the SYSTEM_INFO of the nth video server.

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

Http return context

Firmware Version = A1D-P2N-V2.00.07-AC

MAC Address = 00:0F:7C:00:00:67

Production ID = SED2400-04I-8-00027

Factory Default Type = NTSC, Composite, Two Ways Audio (0x71)

How to get system property

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&SYSTEM_PROPERTY

Read the SYSTEM_PROPERTY of the system. All of the return values are the same as the values of the CHANNEL=1 video server.

Http return context

SYSTEM='E'

TYPE='A'
NO_OF_CHANNEL='01'
MULTIPLEXING='X'
NO_OF_AUDIO_WAYS='2'
AUDIO_TYPE='PCM'
MOTION_TYPE='0'
PROTOCOL_TYPE='2'

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&SYSTEM_PROPERTY

Read the SYSTEM PROPERTY of the nth video server.

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

Http return context

SYSTEM='E'
TYPE='A'
NO_OF_CHANNEL='01'
MULTIPLEXING='X'
NO_OF_AUDIO_WAYS='2'
AUDIO_TYPE='PCM'
MOTION_TYPE='0'
PROTOCOL_TYPE='2'

How to get protocol type

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&PROTOCOL_TYPE		
Read the	the PROTOCOL_TYPE of the system. The 2 is always returned.		
Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&PROTOCOL_TYPE			

Read the PROTOCOL_TYPE of the nth video server which is the same as the setting in the system

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

<pre><parameter></parameter></pre>	<values></values>	Description
PROTOCOL_TYPE	a: 1 ~ 2	1: Run version 1 protocol
		2: Run Version 2 protocol

How to get LAN

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Read the LAN HOSTNAME settings in the system

How to get LAN hostname

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&LAN_HOSTNAME
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Get the LAN HOSTNAME setting in the system

How to set LAN hostname

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&LAN_HOSTNAME=xxxxxxxx

Set the LAN HOSTNAME to the system and all of video servers.

How to get WAN

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&WAN

Read the WAN port settings in the system

How to set dynamic ip for WAN

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&WAN_TYPE=1

Set the dynamic type of WAN in the system.

How to set static ip for WAN

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&WAN_TYPE=2&			
	WAN_IP=x.x.x.x&WAN_NETMASK=x.x.x.x&WAN_GATEWAY=x.x.x.x			

Set the static wan ip in the system.

<pre><parameter></parameter></pre>	<values></values>	Description
WAN_TYPE	n:1~2	1: Dynamic IP
		2: Static IP
WAN_IP	x.x.x.x : IP address	Static IP address
WAN_NETMASK	x.x.x.x : NetMask	Netmask, ex: 255.255.255.0
WAN_GATEWAY	x.x.x.x : gateway IP	Default gateway ip

How to get DNS

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&DNS
Get the	DNS settings in the system
Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&DNS

Get the DNS settings in the nth video server which should be the same as the settings in the system

How to set DNS

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&
	DNS_PRIMARY=x.x.x&DNS_SECONDARY=x.x.x

Set the DNS in the system and all of video servers.

<pre><parameter></parameter></pre>		<values></values>	Description
DNS_PRIMARY	x.2	x.x.x : IP address	Primary DNS server ip address
DNS_SECONDARY	х.2	x.x.x : IP address	Secondary DNS server ip address

How to get DDNS

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&DDNS	
Get the	DDNS in the system
Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&DDNS

Get the DDNS in the nth video server which is the same as the setting in the system

How to disable DDNS

_		
Sy	ntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&DDNS_TYPE=1

Disable the DDNS in the system and all of video servers.

How to enable DDNS

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&DDNS_TYPE=2&
	DDNS_SERVICE=xxxx&DDNS_HOSTNAME=x.x.x.x&DDNS_USERNAME=xxxx&DDNS_PASSWORD=xxxx

Enable the DDNS in the system and all of video servers.

<pre><parameter></parameter></pre>	<values></values>	Description
DDNS_TYPE	n: 1 ~2	1: Disabled
		2: Enabled
DDNS_SERVICE	xxxx: string	dyndns: members.dyndns.org
		qdns: members.3322.org
		ezip: www.EZ-IP.Net
		pgpow: www.penguinpowered.com
		dhs: members.fhs.org
		ods: update.ods.com
		tzo: cgi.tzo.com
		easydns: members.easydns.com
		justlinux: www.justlinux.com
		dyns: www.dyns.cx
		hn: www.hn.org
		zoneedit: www.zoneedit.com
DDNS_HOSTNAME	x.x.x.x: string	Host domain name
DDNS_USERNAME	xxxx: string	User name
DDNS_PASSWORD	Xxxx: string	Password

How to get date

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&DATE

Get the DATE settings in the system

How to set manual config

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&DATE_TYPE=1
	DATE_MANUAL_DATE=MMDDhhmmYYYYY&DATE_MANUAL_TIME=hh:mm:ss&DATE_MANUAL_ZONE=nn

Set the MANUAL DATE settings in the system and all video servers.

How to set NTP/SNTP

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&DATE_TYPE=2
	DATE_SNTP_IP=x.x.x.x&DATE_SNTP_UPDATE=m&DATE_MANUAL_ZONE=nn

Set the NTP/SNTP in the system and all of video servers.

<pre><parameter></parameter></pre>	<values></values>	Description
DATE_TYPE	n: 1 ~2	1: Manual setting
		2: NTP/SNTP
DATE_MANUAL_DATE	MMDDhhmmYYYY: number	MM: Month
		DD: Day
		hh: Hour
		mm: Minute
		YYYY: Year
DATE_MANUAL_TIME	hh:mm:ss : number	Hh: Hour
		mm: Minute
		ss: Second
DATE_MANUAL_ZONE	nn: -12 ~ +00 ~ +13	Time zone
DATE_SNTP_IP	x.x.x.x: IP address	NTP/SNTP Server
DATE_SNTP_UPDATE	n: 30,3600,21600,	30: 5 min
	43200,86400	3600: 1 hour
		21600: 6 hour
		43200: 12 hour
		86400: 1 day

How to get TOS

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&TOS		
Read the	TOS in the system which is the same as the value in the CHANNEL=1 video server		
Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&TOS			

Read the TOS in the nth video server

<pre><parameter></parameter></pre>		Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

How to disabled TOS

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_TOS_TYPE=1

Set the TOS of the nth video server.

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		If the CHANNEL=n is missed, error message is returned.
		HTTP/1.0 200 OK\r\n
		Content-Type: text/plain\n
		\n
		ERROR!! The CHANNEL is not assigned!!
		Multi-Channel: Not Support

How to enabled TOS

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&VIDEO_TOS_TYPE=2&
	VIDEO_TOS_PRIORITY=xxxx

Enable TOS of the nth video server

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		If the CHANNEL=n is missed, error message is returned.
		HTTP/1.0 200 OK\r\n
		Content-Type: text/plain\n
		\n
		ERROR!! The CHANNEL is not assigned!!
		Multi-Channel: Not Support

<pre><parameter></parameter></pre>	<values></values>	Description
VIDEO_TOS_TYPE	n: 1 ~2	1: Disabled
		2: Enabled
DATE_MANUAL_DATE	xxxx: string	Minimize-Delay
		Maximize-Throughput
		Maximize-Reliability
		Minimize-Cost
		Normal-Service

How to get account

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Get the account information in the system

How to set root account

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&
	ACCOUNT_ROOT_PASSWORD=xxxx&ACCOUNT_ROOT_PASSWORD=xxxx

Set the root account and password in the system and all of video servers.

How to set user account

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&
	ACCOUNT_USER_NAME_1=xxxx&ACCOUNT_USER_PASSWORD_1=xxxx

Set the root account and password in the system and all of video servers.

<pre><parameter></parameter></pre>	<values></values>	Description
ACCOUNT_ROOT_NAME	xxxx: string	User name for root
ACCOUNT_ROOT_PASSWORD	xxxx: string	Password for root
ACCOUNT_USER_NAME_?	? : 1 ~ 10	User name
	xxxx: string	
ACCOUNT_USER_PASSWORD_?	? : 1 ~ 10	Password
	xxxx: string	

How to get port number

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&PORT		
Get all port information of system. The value in the PORT_CONTROL, PORT_VIDEO and V2_PORT_RTSP			
ports is the same as the value in the CHANNEL=0 video server.			
Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&PORT			
Get all port information of the nth video server. The value in the PORT REGISTER, PORT HTTP,			

Get all port information of the nth video server. The value in the PORT_REGISTER, PORT_HTTP, PORT_MULTICAST, PORT_SEARCH_1 and PORT_SEARCH_2 are the same as the value in the system.

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Support

How to set http port

n

How to set search port

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&		
	PORT_SEARCH_1=n&PORT_SEARCH_2=m		

Set SEARCH PORTS of the system.

How to set streaming port

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&
	PORT_CONTROL=m&PORT_VIDEO=p

Set streaming ports for the nth video server.

<parameter> <values> Description

CHANNEL Rackmount: Support

If the CHANNEL=n is not assigned in the URL command, the error

message is returned. HTTP/1.0 200 OK\r\n

Content-Type: text/plain\n

\n

ERROR!! The CHANNEL is not assigned!

Multi-Channel: Support

How to set multicast port

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&PORT_MULTICAST=q Set multicast port in the system and all of video servers. This setting will be same as the URL command with V2_PORT_RTP_MULTI_VIDEO.

CHANNEL Rackmount: Not Support

If the CHANNEL=n is assigned in the URL command, the error

message is returned.
HTTP/1.0 200 OK\r\n

Content-Type: text/plain\n

\n

ERROR!! CHANNEL=n should not be set.

Multi-Channel: Not Support

How to set RTSP port

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&V2_PORT_RTSP=p Set the RTSP port in the nth video server.

<parameter> <values> Description

CHANNEL Rackmount: Support

If the CHANNEL=n is not assigned in the URL command, the error

message is returned.
HTTP/1.0 200 OK\r\n

Content-Type: text/plain\n

\n

ERROR!! The CHANNEL is not assigned!

Multi-Channel: Support

PORT_HTTP n: number Web server port number

PORT_SEARCH_1 n: number For ip search tool used PORT_SEARCH_2 m: number For ip search tool used PORT_REGISTER n: number Verson 1 protocol used PORT_CONTROL Version 1/Version 2 protocol used m: number PORT_VIDEO p: number Version 1/Version 2 protocol used PORT_MULTICAST q: numba=er Version 1/Version 2 protocol used V2_PORT_RTSP n: number Version 2 protocol used

How to get language

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&LANGUAGE
Get the	language setting in the system
Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&LANGUAC	

Get the language setting in the nth video server which is the same as the value in the system

How to set language

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&LANGUAGE=n

Set the language in the system and all of video servers.

<pre><parameter></parameter></pre>	<values></values>	Description
LANGUAGE	n: number	0: English
		1: Traditional Chinese
		2: Simplified
		3: Japanese
		4: Spanish

How to get streaming type

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&V2_STREAMING_TYPE

Get the streaming type of the system. The 2 is always returned.

<pre><parameter></parameter></pre>	<values></values>	Description
V2_STREAMING_TYPE	n: number	1: TCP Version 1.0
		2: TCP Version 2.0

How to set version 2.0 streaming method

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&V2_STREAMING_METHOD=n

Set the streaming method in the nth video server.

<pre><parameter></parameter></pre>	<values></values>	Description

CHANNEL		Rackmount: Support
		If the CHANNEL=n is not assigned in the URL command, the error message is returned.
		HTTP/1.0 200 OK\r\n
		Content-Type: text/plain\n
		\n
		ERROR!! The CHANNEL is not assigned!
		Multi-Channel: Not Support
V2_STREAMING_METHOD	n: number	0: TCP Only
		1: Multicast Only
		2: TCP & Multicast
		3: RTP over UDP
		4: RTP over Multicast

How to get multicast interface

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&V2_MULTICAST_IF

Get the multicast interface setting of the system

Syntax http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&V2_MULTICAST_IF

Get the multicast interface setting of the nth video server which is the same as the setting of the system

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		Multi-Channel: Not Support

<pre><parameter></parameter></pre>	<values></values>	Description
V2_MULTICAST_IF	n: number	0: LAN Port
		1: WAN Port

How to set version 2.0 multicast ip

http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&V2_MULTICAST_IP=
ileep. // 192.100.1.1/egi biii/ bybeem. oblic-namiliai wb-123130acinawalb-iia v2_noblicinbi_11-
x.x.x.x
ı

Set the Multicast IP address of the nth video server.

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Support
		If the CHANNEL=n is not assigned in the URL command, the error message is returned.
		HTTP/1.0 200 OK\r\n
		Content-Type: text/plain\n
		\n
		ERROR!! The CHANNEL is not assigned!!

Multi-Channel: Support				Multi-Channel:	Support
------------------------	--	--	--	----------------	---------

<pre><parameter></parameter></pre>	<values></values>	Description
V2_MULTICAST_IP	x.x.x.x: IP addres	Multicast ip address 224.3.1.0 ~ 239.255.255.255

How to set version 2.0 RTP over Multicast port number

Syntax	http://192.168.1.1/cgi-bin/system?USER=Admin&PWD=123456&CHANNEL=n&V2_PORT_RTP_MULTI_ VIDEO=n&
	V2_PORT_RTP_MULTI_AUDIO=m

Set the multicast video and audio port in the system and all of the video servers.

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL		Rackmount: Not Support
		If the CHANNEL=n is assigned in the URL command, the error message is returned.
		HTTP/1.0 200 OK\r\n
		Content-Type: text/plain\n
		\n
		ERROR!! CHANNEL=n should not be set.
		Multi-Channel: Not Support
V2_MULTICAST_IP	n: number	n: Video port number for RTP over Multicast
	m: number	m: Audio port number for RTP over Multicast

3

URL Command for IP Quad

URL Command for IP Quad

How to set display mode

Syntax	http://192.168.1.1/cgi-bin/quad?DISPLAY=n

How to get display mode

|--|

<pre><parameter></parameter></pre>	<values></values>	Description
DISPAY	n: 0~4	0: quad display
		1: display channel 1
		2: display channel 2
		3: display channel 3
		4: display channel 4

How to set osd enabled

Syntax http://192.168.1.1/cgi-bin/quad?OSD_ENABLED=	=0xnn

How to get osd enabled status

Syntax http://192.168.1.1/cgi-bin/quad?OSD_ENABLED

<pre><parameter></parameter></pre>	<values></values>	Description
OSD_ENABLED	0xnn : hexadecimal	BIT0: 1:title name enabled
		BIT1: 1:video loss enabled
		BIT2: 1:motion detect enabled
		BIT3: 1:date time enabled
		BIT4: 1:DIO status enabled
		BIT5: Reserved
		BIT6: Reserved
		BIT7: Reserved

How to set motion detect enabled

Syntax http://192.168.1.1/cgi-bin/quad?MOTION_ENABLED=0xnn

How to get motion enabled status

Syntax http://192.168.1.1/cgi-bin/quad?MOTION_ENABLED

<pre><parameter></parameter></pre>	<values></values>	Description
MOTION_ENABLED	0xnn : hexadecimal	BIT0: 1:channel 1 motion detect enabled
		BIT1: 1:channel 2 motion detect enabled
		BIT2: 1:channel 3 motion detect enabled
		BIT3: 1:channel 4 motion detect enabled
		BIT4: Reserved
		BIT5: Reserved
		BIT6: Reserved
		BIT7: Reserved

How to set sensitive for motion detect

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&SENSITIVE=m

How to get sensitive setting

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&SENSITIVE

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL	n: 1~4	channel number
SENSITIVE	m: 0~15	0: more sensitive
		8: middle sensitive
		15: less sensitive

How to set title name

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&TITLE_NAME=xxxxxxxxx

How to get title name setting

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&TITLE_NAME

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL	n: 1~4	channel number
TITLE_NAME	xxxxxxxx: title name	max length: 8bytes
		ASCII: A~Z & 0~9 & space

How to set brightness

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&BRIGHTNESS=m

How to get brightness setting

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&BRIGHTNESS

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL	n: 1~4	channel number
BRIGHTNESS	m: 0~255	0: -25IRE
		128: 0IRE
		255: 25IRE

How to set contrast

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&CONTRAST=m

How to get contrast setting

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&CONTRAST

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL	n: 1~4	channel number

CONTRAST	m: 0~255	0: 0%
		128: 100%
		255: 200%

How to set saturation

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&SATURATION=m
Sylicax IICCP · / / 192.106.1.1/Cg1-D1II/ quad · CHANNEL-II&SATURATION-III

How to get saturation setting

Carn	+	http://192.168.1.1/cgi-bin/quad?CHANNEL=n&SATURATION
Sym	Lax	IICCP · / / 192.108.1.1/Cg1-DIII/quad / CHANNEL=II&SAIURATION

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL	n: 1~4	channel number
SATURATION	m: 0~255	0: 0%
		128: 100%
		255: 200%

How to set hue

Syntax http://192.168.1.1/cgi-bin/quad?CHANNEL=n&HUE=m

How to get contrast setting

|--|

<pre><parameter></parameter></pre>	<values></values>	Description
CHANNEL	n: 1~4	channel number
HUE	m: 0~255	0: -180degree
		128: Odegree
		255: 180degree

How to get system information

Syntax

http://192.168.1.1/cgi-bin/system?INFO

Http return context

Firmware Version = SED2300Q-20050404.02-AC-D1
MAC Address = 00:0F:7C:00:00:67
Factory Default Type = NTSC (0x51)
Serial ID = SED2300-04I-8-00027

Model Number = SED-2300Q (11)

How to set factory default

Syntax

http://192.168.1.1/cgi-bin/system?FACTORY_DEFAULT

How to save all setting to flash and reboot system

Syntax

http://192.168.1.1/cgi-bin/system?SAVE_REBOOT

URL Command for Transcoder

URL Command for Transcoder

This category lists the commands that is related to MPEG-4 settings.

The syntax of the command is listed as follow:

http://<IP Address>/cgi-bin/url.cgi?USER=<Account Name>&PWD=<Password>&<Parameters>

Host Setting

Parameter	Value	Description
LAN_HOSTNAME		String
		(32 Bytes with terminal 0)
LAN_IP	x.x.x.x : IP address	LAN IP Address
LAN_NETMASK	x.x.x.x : IP address Mask	Netmask Address Format
LANGUAGE	0 ~ MAX LANGUAGE SUPPORT	
BAUDRATE	1 ~ 7	2400,
		4800,
		9600,
		19200,
		38400,
		57600,
		115200
		BPS
UARTSETTING	0~2	0x00, 0x08, 0x18
OSD_X	8 ~ 96	OSD Upper Left X
OSD_Y	8 ~ 96	OSD Upper Left Y
VIDEO_TV	0, 1	0 : PAL, 1 : NTSC
VIDEO_OSD	1, 2, 4, 8, 16, 32	0x01:Time Code
		0x02:Server IP
		0x04:Camera Name
		0x08:Local IP
		0x10:Motion Detect
		0x20:DI
VOL_AUDIOOUT	0, 1, 2, 3	0: mute
		1: small
		2: middle
		3: large
VOL_AUDIOIN	0, 1, 2, 3	0: mute
		1: small
		2: middle
		3: large

WAN Setting

Parameter	Value	Description
WAN_TYPE	1 ~ 3	1 : Dynamic IP
		2 : Static IP
		3 : PPPoE
WAN_IP	x.x.x.x : IP address	WAN IP Addrss
WAN_NETMASK	x.x.x.x : IP address Mask	Netmask Address Format
WAN_GATEWAY	x.x.x.x : IP address	Gateway Address
WAN_PPPOE_USERNAME		String
		(32 Bytes with terminal 0)
WAN_PPPOE_PASSWORD		String
		(32 Bytes with terminal 0)
DNS_PRIMARY		IP Address Format
DNS_SECONDARY		IP Address Format
DDNS_TYPE	1, 2	1 : Disabled
		2 : Enabled
DDNS_HOSTNAME		String
		(32 Bytes with terminal 0)
DDNS_SERVICE	As right →	members.dyndns.org
		=> dyndns
		members.3322.org
		=> qdns
		www,EZ-IP.Net
		=> ezip
		www.penguinpowered.com
		=> pgpow
		members.dhs.org
		=> dhs
		update.ods.org
		=> ods
		cgi.tzo.com
		=> tzo
		members.easydns.com
		=> easydns
		www.justlinux.com
		=> justlinux

	www.dyns.cx
	=> dyns
	www.hn.org
	=> hn
	www.zoneedit.com
	=> zoneedit
DDNS_USERNAME	String
DDNS_PASSWORD	String

Video Server Connection Setting

URL Command Name	Value	Mark
PROTOCOLVERSION	1, 2	Version 1 or Version 2
CHANNEL	1 ~ 16	Channel Number
CHxx_VIDEO_CONNECT	0, 1, 2	0: MultiCast
		1: UniCast
		2: RTP
CHxx_VIDEO_VARFPS	0, 1, 2, 3, 4	0: Using Server's Setting
		1: 30 (NTSC) or 25 (PAL)
		2: 6 (NTSC) or 5 (PAL)
		3: 3 (NTSC) or 3 (PAL)
		4: 1 (NTSC) or 1 (PAL)
CHxx_VIDEO_STREAM	0, 1	0 : Disable, 1 : Enale
CHxx_VIDEO_AUDIO	0, 1	0 : Disable, 1 : Enale
CHxx_VIDEO_CONTROL	0, 1	0 : Disable, 1 : Enale
CHxx_VIDEO_TCP_IP	x.x.x.x : IP address	Server IP Address
CHxx_VIDEO_MULTICAST_IP	x.x.x.x : IP address	Server Multicast Address
CHxx_VIDEO_USERNAME		String
		(32 Bytes with terminal 0)
CHxx_VIDEO_PASSWORD		String
		(32 Bytes with terminal 0)
CHxx_PORT_STREAMIN		Stream Port Number
CHxx_PORT_CONTROL		Control & AudioOut
		Port Number
CHxx_PORT_MULTICAST		Server's Multicast Port Number
CHxx_PORT_RTP		Server's RTP Port Number
CHxx_PORT_HTTP		Server's Http Port Number
CHxx_TIME		Server's Dwell Time (seconds)
		0 means infinite

User Account Setting

URL Command Name	Value	Mark
ACCOUNT_ROOT_NAME		String
		(32 Bytes with terminal 0)
ACCOUNT_ROOT_PASSWORD		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_1		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_1		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_2		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_2		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_3		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_3		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_4		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_4		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_5		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_5		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_6		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_6		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_7		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_7		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_8		String
		(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_8		String

	(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_9	String
	(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_9	String
	(32 Bytes with terminal 0)
ACCOUNT_USER_NAME_10	String
	(32 Bytes with terminal 0)
ACCOUNT_USER_PASSWORD_10	String
	(32 Bytes with terminal 0)

Port Setting

URL Command Name	Value	Mark
PORT_HTTP'		Host HTTP PORT
PORT_HOST_SEARCH_1		HOST SEARCH PORT
		(Client to Server)
PORT_HOST_SEARCH_2		HOST SEARCH PORT
		(Server to Client)

URL Command for Transcoder Return Value

This category lists the commands that is related to Transcoder return value.

The syntax of the command is listed as follow:

http://<IP Address>/cgi-bin/url.cgi?USER=<Account Name>&PWD=<Password>&<Parameters>

Parameter	Description
ноѕт	Return all the items of host setting page
WAN	Return all the items of wan setting page
VIDEOSERVER	Return all the items of video setting page
ACCOUNT	Return all the items of user account page
PORT	Return all the items of port setting page
SYSTEM_LOG	Return all the items of system info page

URL Command for Transcoder System Setting

This category lists the commands that is related to Transcoder system settings.

The syntax of the command is listed as follow:

http://<IP Address>/cgi-bin/url.cgi?USER=<Account Name>&PWD=<Password>&<Parameters>

Parameter	Description
FACTORY_DEFAULT	Load factory default
SAVE_REBOOT	Save and Reboot
SWITCH	Switch to another video server or IP camera

URL Command for Transcoder Variable Frame Rate Setting

This category lists the commands that is related to Transcoder variable frame rate settings.

The syntax of the command is listed as follow:

http://<IP Address>/cgi-bin/url.cgi?USER=<Account Name>&PWD=<Password>&<Parameters>

Parameter	Description
VIDEO_VARFPS	Change the Variable Frame Rate on the fly in the current channel

Note that the defition is the same as CHxx_VIDEO_VARFPS

URL Command for Transcoder Connecting NVR

This category lists the commands that is related to Transcoder connecting to NVR setting

The syntax of the command is listed as follow:

http://<IP Address>/cgi-bin/url.cgi?netSendVideoCmd&

Parameter	Description
netSendVideoCmd	The URL Command for supporting NVR
	Ex:
	0006ANET http://192.168.0.200/A2100?USER=Admin&PWD=123456&Cid=6

URL Command for Transcoder Samples

This category lists the sample URL Commands for Transcoder

How to get Transcoder host setting

Syntax

http://192.168.0.200/cgi-bin/url.cgi?USER=Admin&PWD=123456&HOST

How to set Transcoder host setting

Syntax

http://192.168.0.200/cgi-bin/url.cgi?USER=Admin&PWD=123456&LAN_HOSTNAME=ACTi&LAN_IP=192.168.1.20&LAN_NETMASK=255.255.255.0&LANGUAGE=1&BAUDRATE=4

How to save and reboot Transcoder

Syntax

http://192.168.0.200/cgi-bin/url.cgi?USER=Admin&PWD=123456&SAVE_REBOOT

How to get Transcoder system log

Syntax

http://192.168.0.200/cgi-bin/url.cgi?USER=Admin&PWD=123456&SYSTEM_LOG

How to set Transcoder to factory default

Syntax

http://192.168.0.200/cgi-bin/url.cgi?USER=Admin&PWD=123456&FACTORY_DEFAULT

How to request Transcoder to switch to another video server

Syntax