CMControlSingle Reference Manual

PVideo Control

[Property]

Name	Access	Type	Description
IP	Get/Put	String	IP Address
		(BSTR)	
WebPort	Get/Put	Integer	Web Port
		(LONG)	Default 80
VideoPort	Get/Put	Integer	Video Port => 554
		(LONG)	Other(MJPEG) => 80
ID	Get/Put	String	Account ID
		(BSTR)	
PWD	Get/Put	String	Password
		(BSTR)	
Channel	Get/Put	Integer	Channel
		(LONG)	
Model	Get	String	Model name
		(BSTR)	
Decode	Get/Put	Integer	0: Not decode
		(LONG)	1: Decode and Display
ImageWidth	Get	Integer	Width of current video image
		(LONG)	
ImageHeight	Get	Integer	Height of current video image
		(LONG)	
ImageBPP	Get	Integer	Image Pixels
		(LONG)	3 => RGB
			4 => RGBX
Deinterlace	Get/Put	Integer	De-Interlace function
		(LONG)	0: Off
			1: On
Connect	Get	Integer	Connection Status
		(LONG)	0: Disconnected
			1: Connected
AutoConnect	Get/Put	Integer	Auto reconnect option

Audio Get/Put Integer Get/Put Integer Mute function O: 1: Version Get Integer FPS Get Integer Get/Put Integer Integer Image Rotation O: 0 1: 90 degree 2: 180 degree 2: 180 degree 3: 270 degree FPS Get Integer Get/Put Integer Get/Put String OSD_Str Get/Put Integer OSD_PosMode Get/Put Integer Get/Put Integer OSD_String OSD_String color OSD_BGColor Get/Put Integer OSD_background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color 1=> Only show OSD string				0: Disable
Audio Get/Put Integer Enable Audio 0: Disable 1: Enable Mute Get/Put Integer Mute function 0: 1: Version Get Integer Version of the Control Rotate Get/Put Integer Image Rotation 0: 0 1: 90 degree 2: 180 degree 2: 180 degree 3: 270 degree FPS Get Integer Current Image frame rate BitRate Get Integer Current video bit rate (Kbps) OSD_Str Get/Put String OSD String OSD_PosMode Get/Put Integer Position of OSD String 0:left-upper 1:right-upper 2:right-lower 3:left-lower 3:left-lower 0SD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color				
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2: 180 degree 3: 270 degree FPS Get Integer Current Image frame rate BitRate Get Integer Current video bit rate (Kbps) OSD_Str Get/Put String OSD String OSD_PosMode Get/Put Integer Position of OSD String 0:left-upper 1:right-upper 2:right-lower 3:left-lower OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color				0: 0
FPS Get Integer Current Image frame rate BitRate Get Integer Current video bit rate (Kbps) OSD_Str Get/Put String OSD String OSD_PosMode Get/Put Integer Position of OSD String OSD_PosMode Get/Put Integer 1:right-upper 1:right-lower 2:right-lower 3:left-lower OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode OSD_BGMode Get/Put Integer OSD background color				1: 90 degree
FPS Get Integer Current Image frame rate BitRate Get Integer Current video bit rate (Kbps) OSD_Str Get/Put String OSD String OSD_PosMode Get/Put Integer Position of OSD String 0:left-upper 1:right-upper 2:right-lower 3:left-lower OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color				2: 180 degree
BitRate Get Integer Current video bit rate (Kbps) OSD_Str Get/Put String OSD String OSD_PosMode Get/Put Integer Position of OSD String 0:left-upper 1:right-upper 2:right-lower 3:left-lower OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color				3: 270 degree
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OSD_PosMode Get/Put Integer Position of OSD String 0:left-upper 1:right-upper 2:right-lower 3:left-lower OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color	BitRate	Get	Integer	Current video bit rate (Kbps)
O:left-upper 1:right-upper 2:right-lower 3:left-lower OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color	OSD_Str	Get/Put	String	OSD String
1:right-upper 2:right-lower 3:left-lower OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color	OSD_PosMode	Get/Put	Integer	Position of OSD String
2:right-lower 3:left-lower OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color				0:left-upper
OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color				1:right-upper
OSD_Size Get/Put Integer OSD font size OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color				2:right-lower
OSD_Color Get/Put OSD string color OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color				3:left-lower
OSD_BGColor Get/Put OSD background color OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color	OSD_Size	Get/Put	Integer	OSD font size
OSD_BGMode Get/Put Integer OSD background mode 0=> Show OSD background color	OSD_Color	Get/Put		OSD string color
0=> Show OSD background color	OSD_BGColor	Get/Put		OSD background color
	OSD_BGMode	Get/Put	Integer	OSD background mode
1=> Only show OSD string				0=> Show OSD background color
				1=> Only show OSD string
MotionDetectinoMode Get/Put Integer Enter in Motion Detection Edit Mode	MotionDetectinoMode	Get/Put	Integer	Enter in Motion Detection Edit Mode
0=> no				0=> no
1=> yes				1=> yes

[Method]

Name	Parameter	Description
Play		Start live playing
		Return:
		0: fail
		1: success
Playback		Start playback video
		Return:
		0: fail
		1: success
Stop		Stop playing
StartRecord	filename (BSTR)	Start recording video stream to avi file.
StopRecord		Stop recording
Snapshot	filename (BSTR)	Get snapshot from current video image
		Return:
		0: fail
		1: success
SnapshotToMem	1. type (BSTR)	Get snapshot and save as specified format
	2. pData Integer	Type => jpg, png, bmp
		pData => memory index
		Return:
		0: fail
		Other: size of the memory used
UpdateMotionDetection		Update edit info of Motion Detection to the device
ImageLock		Get image pixel data
		Return:
		0: no image data
		Other: array index of image data. It can be forced to
		be converted to the data type of (unsigned char *)
		Example:
		unsigned char *pImage=(unsigned char
		*)Control.ImageLock();

	R=pImage[0]; G=pImage[1]; B=pImage[2]; X=pImage[3]; // If ImageBPP is 4 ImageUnlock is required thereafter.
ImageUnlock	Finish retrieving image data
GetHour	Current playback time - Hour
GetMinute	Current playback time - Minute
GetSecond	Current playback time - Second

[Event]

Name	Parameter	Description
Event_Offline		Disconnected
		After "Play" method is called, if it is failed to
		connect or disconnected, this event is triggered.
		"Play" must be re-called for a new connection.
Event_RecData	1.iType Integer(LONG)	Receive video data
	Video Data Type	
	0:MP4-I	VC sample:
	1:MP4-P	void CPVideoSampleDlg::Event_RecDataPvideo1(long iType,
	2:JPG	long pData, long iSize)
	2.pData Integer(LONG)	{
	Buffer Pointer	// TODO: Add your message handler code here
	3.iSize Integer(LONG)	unsigned char *pBuffer=(unsigned char *)pData;
	Size of received data	
	that buffer pointer	switch(iType)
	pointing to (Byte)	{
		case 0://mp4-i
		break;
		case 1://mp4-p

		break;
		case 2://jpg
		break;
		}
		}
Event_Alert	1.iType Integer(LONG)	Alert Event
	Trigger Type	Event_Alert (iType)
	0:Motion	{
	1:Sensor	
	*2:VideoLoss	}
Event_RecordError		Event of Recording error
Event_Connect		Event of successful connection
Event_MouseDown	1. x(LONG)	The mouse button is pressed
	axis-x	
	2. y(LONG)	
	axis-y	
	3. key(LONG)	
	0:left	
	1:right	
Event_MouseUp	x(LONG)	The mouse button is released
	axis-x	
	2.y(LONG)	
	axis-y	
	3.key(LONG)	
	0:left	
	1:right	