CMControlSingle Reference Manual

『PVideo Control』

【Property】

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

			0: Disable 1: Enable
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 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 1=> Only show OSD string
MotionDetectinoMode	Get/Put	Integer	Enter in Motion Detection Edit Mode 0=> no 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) 2. pData Integer	Get snapshot and save as specified format 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)
	Video Data Type
	0:MP4-I
	1:MP4-P
	2:JPG
	2.pData Integer(LONG)
	Buffer Pointer
	3.iSize Integer(LONG)
	Size of received data that buffer pointer pointing to (Byte)
		Receive video data
		
		VC sample:
		void CPVideoSampleDlg::Event_RecDataPvideo1(long iType, long pData, long iSize)
		{
		// TODO: Add your message handler code here
		unsigned char *pBuffer=(unsigned char *)pData;
		
		switch(iType)
		{
		case 0://mp4-i
		break;
		case 1://mp4-p

		break; case 2://jpg break; } }

Event_Alert	1.iType Integer(LONG)
	Trigger Type
	0:Motion
	1:Sensor
	*2:VideoLoss
		Alert Event
		Event_ Alert (iType)
		{
		
		}

Event_RecordError		Event of Recording error
Event_Connect		Event of successful connection
Event_MouseDown	1. x(LONG) axis-x 2. y(LONG) axis-y 3. key(LONG) 0:left 1:right	The mouse button is pressed
Event_MouseUp	x(LONG) axis-x 2.y(LONG) axis-y 3.key(LONG) 0:left 1:right	The mouse button is released