

ActiveX Control Programming Guide

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Contents

ATLWEBSURVCOM CONTROL INTERFACE.....	5
PROPERTY:.....	5
<i>Connect Setting</i>	5
Url	5
ChannelNum	5
ReconnectTimes	5
ReconnectTimeOut	6
<i>Security Setting</i>	6
UserCheck	6
<i>Image Setting</i>	6
ViedoMode.....	6
Resizable	7
Resolution	7
Quality.....	8
Brightness	8
Contrast	8
Saturation	9
Hue	9
CamWidth	9
CamHeight	10
Rotate	10
<i>Motion Detect Setting</i>	10
MotionDetect	10
<i>Download Jpeg Files Setting</i>	11
DownloadPath.....	11
DownloadPrefix	11
DownloadNum.....	11
Download.....	12
<i>Download AVI Files Setting</i>	12
RecordOnce.....	12
Avi.....	13
AviPath.....	13
AviPre	13
AviFrame.....	14

JpgNumInAvi	14
<i>Comera Info</i>	14
Version	14
DeviceName.....	15
CameraName.....	15
<i>PTZ Control Setting</i>	15
Ptz_model	15
PTZ_SPEED	16
<i>Pop-Up Menu Setting</i>	16
EnableMenu	16
<i>Show Image Setting</i>	17
DisplayDateTime	17
FrameRate	17
METHOD	17
<i>User Setting</i>	17
GetMyself	17
GetAllUser	18
SetUser.....	18
DelUser	18
<i>Http Security Setting</i>	19
SetUserAccount	19
SetUserPassword.....	19
<i>Motion Setting</i>	19
SetMail.....	19
GetMail	20
SetFtp	20
GetFtp	21
<i>PTZ Control Setting</i>	21
SetPTZ_AutoPan	21
SetPTZ_AutoPanStop	21
SetPTZ_ZoomIn	21
SetPTZ_ZoomOut.....	22
SetPTZ_Panleft	22
SetPTZ_PanRight	22
SetPTZ_TiltDown.....	22
SetPTZ_TiltUp.....	23
SetPTZ_LeftUp.....	23

SetPTZ_RightUp.....	23
SetPTZ_LeftDown.....	23
SetPTZ_RightDown.....	24
SetPTZ_RightDown.....	24
SetPTZ_RightDown.....	24
<i>Images Data</i>	24
GetCurrentImage.....	24
<i>Set Camera to Default</i>	25
SetFactoryDefault	25
<i>Time Setting</i>	25
GetTimeZone	25
SetTimeZone	25
<i>Serial Port Setting</i>	26
SetComSetting	26
<i>Network Setting</i>	27
GetIP	27
<i>Camera Info</i>	27
GetLog	27
EVENT	28
<i>Connection Event</i>	28
Connect(LONG bConnect)	28
<i>Image Data Event</i>	28
ReceiveImage().....	28
<i>Image Setting Event</i>	28
Resolution (BSTR alluser).....	28
MotionDetect().....	29
MotionTrigger()	29
GetMail(LCPSTR MailSet)	29
<i>Camera Info Event</i>	30
Function: GetLog(LPCTSTR GetLog).....	30
<i>Mouse Action Event</i>	30
Function: DBclick()	30

ATLWebSurvCOM Control Interface

Property:

Connect Setting

Url

Descriptions:

Returns or sets the URL property.

Format:

Websurv.Url [= *BSTR*]

Return:

A *BSTR* that specifies the URL of the WebCamera Server. Once you set *Url*, our control begin to work

Examples:

Websurv.Url = "http://10.130.11.223:22345"

ChannelNum

Descriptions:

This function for 4 port Video Gateway only. Set Channel Number to get images.

Format:

Websurv.ChannelNum = [int] (0~3)

0 mans video 1.

Return:

Channel Number.

Examples:

Websurv.ChannelNum = 1;

ReconnectTimes

Descriptions:

Set or Get reconnect times, when ActievX can't successfully connect to server.

Format:

Websurv.ReconnectTimes = [int]

Return:

Reconnect video server times.

Examples:

```
Websurv.ReconnectTimes = 100;
```

ReconnectTimeOut**Descriptions:**

Set or Get the timeout fo Reconnect. ActieveX control will reconnect to server, when control received no image data during this period.

Format:

```
Websurv.ReconnectTimeOut = [int] (Sec.)
```

Return:

Retest connection time.

Examples:

```
Websurv.ReconnectTimeOut = 30;
```

Security Setting

UserCheck**Descriptions:**

Returns or sets the UserCheck property

Format:

```
Websurv.UserCheck [ = BOOL]
```

Return:

A *BOOL* specifies whether enable the User Check function in device end.

Enable Check User	TRUE
Disable Check User	FALSE

Examples:

```
Websurv.UserCheck = True;
```

Image Setting

ViedoMode**Descriptions:**

Returns or sets the ViedoMode property for NTSC or PAL

Format:

Websurv.ViedoMode [= long]

Return:

A *long value* that specifies the ViedoMode of the image size.

NTSC	0
Pal	1

Examples:

Websurv. ViedoMode = True;

Resizable

Descriptions:

Returns or sets the Resizable property.

Format:

Websurv. Resizable [= BOOL]

Return:

A *BOOL* that specifies the Resizable of the image size.

Display real size image	TRUE
Display image depends on the size of client area of this control.	FALSE

Examples:

Websurv. Resizable = True;

Resolution

Descriptions:

Returns or sets the Resolution property

Format:

Websurv.Resolution [= Long]

Return:

A *Long value* specifies the Camera's resolution.

	PAL	NTSC
2	640 X 480	640 X 480
1	352 X 288	320 X 240
0	176 X 144	160 X 120

Examples:

```
Websurv.Resolution = 0
```

See also:

```
GetVideoMode(), SetVideoMode();
```

Quality**Descriptions:**

Returns or sets the Quality property

Format:

```
Websurv.Quality [ = Long]
```

Return:

A Long Type Integer that specifies the Camera's compress rate.

0	Low quality
1	Normal quality.
2	Good quality
3	Fine quality
4	Excellent quality

Examples:

```
Websurv.Quality = 1
```

Remarks:

High quality means low compression and Low quality means high compression.

Brightness**Descriptions:**

Returns or sets the Brightness property

Format:

```
Websurv. Brightness [ = Long]
```

Return:

A Long Type Integer that specifies the Camera's Brightness.

0 - 255

Examples:

```
Websurv. Brightness= 127
```

Contrast**Descriptions:**

Returns or sets the Contrast property

Format:

Websurv. Contrast [= Long]

Return:

A Long Type Integer that specifies the Camera's Contrast.

0 - 255

Examples:

Websurv. Contrast= 127

Saturation

Descriptions:

Returns or sets the Saturation property

Format:

Websurv. Saturation [= Long]

Return:

A Long Type Integer that specifies the Camera's Saturation.

0 - 255

Examples:

Websurv. Saturation= 127

Hue

Descriptions:

Returns or sets the Hue property

Format:

Websurv. Hue [= Long]

Return:

A Long Type Integer that specifies the Camera's Hue.

0 - 255

Examples:

Websurv. Hue = 127

CamWidth

Descriptions:

Sets the *CamWidth* property. This property express the width of client area for the control.

Format:

Websurv. CamWidth [= Long]

Return:

A Long Type Integer specifies the width of client area for the control.

Examples:

```
Websurv. CamWidth = 320
```

CamHeight**Descriptions:**

Sets the Camheight property

Format:

```
Websurv. CamHeight [ = Long]
```

Return:

A Long Integer specifies the height of client area for the control.

Examples:

```
Websurv. CamHeight = 240
```

Rotate**Descriptions:**

Returns or sets the Rotate property

Format:

```
Websurv.Rotate [ = Long ]
```

Return:

A Long Type Integer that specifies if the pictures rotate 180°

1	180°
0	0°

Examples:

```
Websurv.Rotate = 1
```

Motion Detect Setting

MotionDetect**Descriptions:**

Returns or sets the MotionDetect Open/Close property.

Format:

```
Websurv. MotionDetect [ = Long ]
```

Return:

A Long Integer that specifies the MotionDetect Open/Close Status.

0	Close MotionDetect
1	Open MotionDetect

-1	Unkown.
----	---------

Examples:

Websurv. MotionDetect = 0

Download Jpeg Files Setting

DownloadPath

Descriptions:

Returns or sets the DownloadPath property

Format:

Websurv. DownloadPath [= BSTR]

Return:

A BSTR Type that specifies the download path.

Examples:

Websurv. DownloadPath = "c:\temp\"

DownloadPrefix

Descriptions:

Returns or sets the DownloadPrefix property

Format:

Websurv. DownloadPrefix [= BSTR]

Return:

A BSTR Type that specifies the prefix of file name. Time was append the prefix as the whole file name.

Examples:

Websurv. DownloadPrefix = "favour"

DownloadNum

Descriptions:

Returns or sets the DownloadNum property

Format:

Websurv.DownloadNum [= Long]

Return:

A Long Type Integer that specifies the Max download picture number.

-1	Download no number limit.
0	Not Download.
Max >0	Download number pictures when you start download.

Examples:

Websurv.DownloadNum = 100

Download**Descriptions:**

Returns or sets the Download property

Format:

Websurv.DownloadNum [= BOOL]

Return:

A BOOL Type that specifies if the pictures was downloaded . the download image file name will be the DownloadPath +CurrentTime+ DownloadPrefix like
 "c:\temp\ favour_2002_7_16_14_2_52.jpg"

true	Download
false	Not Download.

Examples:

Websurv.DownloadNum = true

Download AVI Files Setting**RecordOnce****Descriptions:**

Returns or sets the RecordOnce property.

Format:

Websurv.RecordOnce [= BOOL]

Return:

If RecordOnce is true, Avi file will be downloaded once. If RecordOnce is false, Avi files will be downloaded until you set Avi property to be false.

true	Download Once
false	Download until you set Avi property to be false

Avi**Descriptions:**

Returns or sets the Download Avi Files property

Format:

Websurv.Avi [= BOOL]

Return:

A BOOL Type that specifies if the pictures was downloaded . the download image file name will be the DownloadPath +CurrentTime+ DownloadPrefix like
"c:\temp\ favour_2002_7_16_14_2_52.Avi"

true	Download
false	Not Download.

Examples:

Websurv.Avi = true

AviPath**Descriptions:**

Returns or sets the AviPath property

Format:

Websurv. AviPath [= BSTR]

Return:

A BSTR Type that specifies the download path.

Examples:

Websurv. AviPath = "c:\temp\"

AviPre**Descriptions:**

Returns or sets the DownloadPrefix property

Format:

Websurv. AviPre [= BSTR]

Return:

A BSTR Type that specifies the prefix of file name. Time was append the prefix as the whole file name.

Examples:

Websurv. AviPre = "favour"

AviFrame

Descriptions:

Returns or sets the AviFrame (Frame/Sec.) property

Format:

Websurv. AviFrame [= Long]

Return:

A Long Type Integer that specifies the Max download picture number.

0	Not Download.
Max >0	AviFrame (Frame/Sec.) number

Examples:

Websurv. AviFrame = 30

JpgNumInAvi

Descriptions:

Returns or sets the AVI Download jpeg Number

Format:

Websurv. JpgNumInAvi [= Long]

Return:

A Long Type Integer that specifies the Max download picture number.

0	Not Download.
Max >0	DownLoad number pictures when you start download.

Examples:

Websurv. JpgNumInAvi = 100

Comera Info

Version

Descriptions:

Get Firmware Version

Format:

Websurv.Versing()

Return:

Return the string(LPCSTR) of Firmware Version.

Such as :

CameraVersion = v3.10

Build = 40224.000

Examples:

```
Ver = Websurv.Version;
```

DeviceName**Descriptions:**

Get Device Name

Format:

```
Websurv.DeviceName = LPCSTR IpszNewValue
```

Return:

Return the string(LPCSTR) of Device Name.

Examples:

```
Websurv.DeviceName = "TEST";
```

CameraName**Descriptions:**

Get(Set) Camera Name. This property is only for 4 port video gateway. You can get(set) the channel Name witch you connected.

Format:

```
Websurv.CameraName
```

Return:

Return the string(LPCSTR) of Camera Name.

Examples:

```
CameraName = Websurv. CameraName;
```

```
Websurv. CameraName = "Door1"
```

PTZ Control Setting

Ptz_model**Descriptions:**

Returns or sets the Ptz_model property.

Format:

```
Long GetPtz_model (long Status)
```

Return:

Status of Ptz_model:

0	Lilin
1	Universal Dome(Pelco)
2	KD405
3	IND-7000EM-PT
4	IND-7000EM-PTZ

Examples:

```
Websurv. SetPtz_model(1);  
Int mode = Websurv. GetPtz_model();
```

PTZ_SPEED**Descriptions:**

Returns or sets the PTZ_SPEED property.

Format:

Long GetPtz_ SPEED (long Status)

Return:

Status of Ptz_ SPEED

1~8

Examples:

```
Websurv. SetPTZ_SPEED (1);  
Int mode = Websurv. GetPTZ_SPEED ();
```

Pop-Up Menu Setting

EnableMenu**Descriptions:**

Enable or Disable pop-up Menu when you right click the ActiveX.

Format:

Websurv.EnableMenu = [BOOL]

Return:

True or false

Examples:

```
Websurv.EnableMenu = true;
```

Show Image Setting

DisplayDateTime

Descriptions:

Enable or Disable Show Date and Time when Display Images.

Format:

Websurv. DisplayDateTime = [BOOL]

Return:

True or false

Examples:

```
Websurv. DisplayDateTime = true;
```

FrameRate

Descriptions:

Get or Set Frame Rate for display images.

Format:

Websurv. FrameRate = [int]

Return:

Return Frame Rate Number.

Examples:

```
Websurv. FrameRate = 10;
```

Method

User Setting

GetMyself

Descriptions:

Get the current user who use the connection.

Format:

```
Websurv.GetMyself( )
```

Return:

Get the current user who use the Avtivex control. If OK return the user name, or return a empty string.

Examples:

```
Dim UserName as String
UserName = Websurv.GetMyself( )
```

GetAllUser**Descriptions:**

Get the all the user register on server.

Format:

```
Websurv.GetAllUser( )
```

Return:

Get the all the user register on server. If OK the event of GetAllUser happens.
Only administrator can use GetAllUser Method.

Examples:

```
Websurv.GetAllUser( )
```

SetUser**Descriptions:**

Add a user and set the user's password.

Format:

```
Websurv.SetUser UserName , PassWord
```

Return:

Required. A String specifies the user name.

Required. A String specifies the password.

Add a user or change a user's password. If OK return True, or return False. Only administrator can use SetUser Method. You can't add a Administrator and the UserName must be unique.

Examples:

```
WinWeb .SetUser("User1","Pass1")
```

DelUser**Descriptions:**

Delete a user

Format:

```
Websurv.DelUser UserName
```

Examples:

```
WinWeb .DelUser("User")
```

Http Security Setting

SetUserAccount

Descriptions:

If user check enable, you need to set user account for login Video Server.

Format:

```
Websurv. SetUserAccount( LPCSTR IpszNewValue )
```

Examples:

```
Websurv. SetUserAccount("root");
```

SetUserPassword

Descriptions:

If user check enable, you need to set user password for login Video Server.

Format:

```
Websurv. SetUserPassword ( LPCSTR IpszNewValue )
```

Examples:

```
Websurv. SetUserPassword ("pass");
```

Motion Setting

SetMail

Descriptions:

Set Auto Mail.

Format:

```
Websurv.SetMail(BSTR MailServer,BSTR Sender, BSTR Receiver, BSTR PassWord,  
BOOL CheckFlag, BOOL Enable), Only administrator can use SetMail Method.
```

<i>Parameters</i>	<i>Value</i>	<i>Description</i>
MailServer		
Sender		
Receiver		
PassWord	sender's password	
CheckFlag	true	need password

	false	no password
Enable	true	auto mail
	false	no auto mail

Examples:

```
Websurv.SendMail ("10.130.10.34", "abc@winbond.com.tw" ,
" xyz@winbond.com.tw", "password", true, true)
```

GetMail**Descriptions:**

Get mail setting.

Format:

```
Websurv.GetMail( )
```

Return:

Get mail setting.

If OK the event of GetMail happens. Only administrator can use GetMail Method.

Examples:

```
Websurv.GetMail( )
```

SetFtp**Descriptions:**

Set Auto Ftp.

Format:

```
Websurv.SetFtp(BSTR Server, BSTR User, BSTR PassWord, BSTR Account, BSTR
UploadPath, BOOL Enable), Only administrator can use SetFtp Method.
```

<i>Parameter</i>	<i>Description</i>	
Set	1	TURE
AutoMail	0	FLASE
Server	Mail server	
User	User name	
PassWord	Password	
Account	ftp account	
UploadPath	the path of upload	
Enable	true	auto ftp
	false	no auto ftp

Examples:

Websurv. SetFtp ("10.130.11.225", "abc" , " 123", NULL, "FtpWebCam", true)

GetFtp

Descriptions:

Get Ftp setting.

Format:

Websurv. GetFtp ()

Return:

Get Ftp setting.

If OK the event of GetFtp happens. Only administrator can use GetFtp Method.

Examples:

Websurv. GetFtp()

PTZ Control Setting

SetPTZ_AutoPan

Descriptions:

Set Dome AutoPan

Format:

Websurv. SetPTZ_AutoPan()

Examples:

Websurv. SetPTZ_AutoPan()

SetPTZ_AutoPanStop

Descriptions:

Set Dome AutoPan Stop

Format:

Websurv. SetPTZ_AutoPanStop()

Examples:

Websurv. SetPTZ_AutoPanStop()

SetPTZ_ZoomIn

Descriptions:

Set Dome Zoom In

Format:

Websurv. SetPTZ_ZoomIn()

Examples:

```
Websurv. SetPTZ_ZoomIn( )
```

SetPTZ_ZoomOut**Descriptions:**

Set Dome Zoom In

Format:

```
Websurv. SetPTZ_ZoomOut( )
```

Examples:

```
Websurv. SetPTZ_ZoomOut( )
```

SetPTZ_Panleft**Descriptions:**

Set Dome Pan left

Format:

```
Websurv. SetPTZ_ Panleft ( )
```

Examples:

```
Websurv. SetPTZ_ Panleft ( )
```

SetPTZ_PanRight**Descriptions:**

Set Dome Pan Right

Format:

```
Websurv. SetPTZ_ PanRight( )
```

Examples:

```
Websurv. SetPTZ_ PanRight( )
```

SetPTZ_TiltDown**Descriptions:**

Set Dome Tilt Down

Format:

```
Websurv. SetPTZ_ TiltDown ( )
```

Examples:

Websurv. SetPTZ_ TiltDown ()

SetPTZ_TiltUp

Descriptions:

Set Dome Tilt Up

Format:

Websurv. SetPTZ_ TiltUp ()

Examples:

Websurv. SetPTZ_ TiltUp ()

SetPTZ_LeftUp

Descriptions:

Set Dome Pan LeftUp

Format:

Websurv. SetPTZ_ LeftUp ()

Examples:

Websurv. SetPTZ_ LeftUp ()

SetPTZ_RightUp

Descriptions:

Set Dome Pan RightUp

Format:

Websurv. SetPTZ_ RightUp ()

Examples:

Websurv. SetPTZ_ RightUp ()

SetPTZ_LeftDown

Descriptions:

Set Dome Pan LeftDown

Format:

Websurv. SetPTZ_ LeftDown ()

Examples:

Websurv. SetPTZ_ LeftDown ()

SetPTZ_RightDown**Descriptions:**

Set Dome Pan RightDown

Format:

Websurv. SetPTZ_ RightDown ()

Examples:

Websurv. SetPTZ_ RightDown ()

SetPTZ_RightDown**Descriptions:**

Set Dome Pan RightDown

Format:

Websurv. SetPTZ_ RightDown ()

Examples:

Websurv. SetPTZ_ RightDown ()

SetPTZ_RightDown**Descriptions:**

Set Dome Pan RightDown

Format:

Websurv. SetPTZ_ RightDown ()

Examples:

Websurv. SetPTZ_ RightDown ()

Images Data

GetCurrentImage**Descriptions:**

Get Current Image File Data(JPEG) and Size

Format:

Websurv. GetCurrentImage(long *size, VARIANT *image), Only administrator can use GetCurrentImage Method.

Return:

size	Jpeg file data size	
image	Jpeg file data	

Examples:

```
long imagesize;  
VARIANT image  
Websurv.GetCurrentImage(&imagesize, &image)
```

Set Camera to Default

SetFactoryDefault**Descriptions:**

Set Camera status to Factory Default.

Examples:

```
Websurv.SetFactoryDefault();
```

Time Setting

GetTimeZone**Descriptions:**

GetTimeZone method.

Format:

void GetTimeZone (LPCSTR szTimeZone, long bDayLight)

Return:

Return the setting of Time Zone.

SzTimeZone	Time Zone
bDayLight	Automatically adjust clock for daylight saving

Examples:

```
Websurv.GetTimeZone(TimeZone, DayLight);
```

SetTimeZone**Descriptions:**

SetTimeZone method.

Format:

void SetTimeZone (LPCSTR szTimeZone, long bDayLight)

SzTimeZone	Time Zone
bDayLight	Automatically adjust clock for daylight saving

Examples:

```
Websurv.SetTimeZone(TimeZone, DayLight);
```

Serial Port Setting

SetComSetting

Descriptions:

Set Seral Port Setting method.

Format:

```
void SetComSetting(long COM, long COMMode, long BaudRate, long Parity, long DataBits, long StopBits, long FlowCtl)
```

COM	Com port Number Default 1	
COMMode	0	RS232
	1	RS485 (Default)
BaudRate	BaudRate(bps) Default 9600	
Parity	0	None (Default)
	1	Odd
	2	Event
DataBits	5~8 Default 8	
StopBits	1~2 Defaule 1	
FlowCtl	Defaule 0	

Examples:

```
Websurv. SetComSetting(1, 1, 9600, 0, 8, 1, 0);
```

GetComSetting

Descriptions:

Get Seral Port Setting method.

Return:

Data Fromat :

“COM = 1\n

Mode = 485\n

BaudRate = 9600\n

Parity = 0\n

DataBits = 8\n

StopBits = 1\n

FlowCtl = 0”

Examples:

```
Websurv.GetComSetting ();
```

Network Setting

GetIP

Descriptions:

GetIP method. Get IP Setting.

Format:

```
void GetIP ()
```

Return:

Return the GetIP Event.

Examples:

```
Websurv.GetIP();
```

Camera Info

GetLog

Descriptions:

After invOKe GetLog method, GetLog(BSTR GetLog) event return.

Format:

```
void GetLog()
```

Return:

Return the string(LPCSTR) of Log report.

Examples:

```
Websurv.GetLog ();
```

Event

Connection Event

Connect(LONG bConnect)**Descriptions:**

When connection status be changed, ActiveX will return this event.

Return:

0	Connection error
1	Connected

Image Data Event

ReceiveImage()**Descriptions:**

When you get a new image data, ActiveX will return this event.

Image Setting Event

Resolution (BSTR alluser)**Descriptions:**

Resolution changed.

Return:

Resolution changed .

	NTSC	PAL
2:	640 X 480	640 X 480
1:	320 X 240	352 X 288
0:	160 X 120	176 X 144

MotionDetect()**Descriptions:**

Returns or sets the MotionDetect property. That will return MotionDetect Event, when motion happen.

Return:

Return this event when Motion detected.

MotionTrigger()**Descriptions:**

Returns or sets the MotionTrigger property. That will return MotionTrigger Event, when the status of motion change from 1 to 0 or from 0 to 1.

Return:

Return this event when the status of Motion detected changes.

GetMail(LCPSTR MailSet)**Descriptions:**

Returns or sets the GetMail method. That will return GetMail Event.

Return:

MailServer = mail.aaa.net
Sender = mail.aaa.net
Receiver = test@aaa.net
Subject = Put mail message here!
User = aaa
PassWord = aaa
CheckFlag = 1
Enable = 1

Camera Info Event

Function: GetLog(LPCTSTR GetLog)

Descriptions:

After invoke GetLog method, GetLog event return.

Return:

Video Server Log;

Mouse Action Event

Function: DBclick()

Descriptions:

When mouse left button be double click, this event will be return.

Return:

Dbclick() event;
