

IK-WB02
Software Development Kit

R 1.30T

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1. Get Camera Name

<Description>

Get camera name.

No privilege required.

<CGI name>

GetName.cgi

<Format>

http://cam-IP/GetName.cgi

<Output>

CameraName = **CameraName**

2. Get Camera Time and Data

<Description>

Get current IP Camera's time and date.

No privilege required.

<CGI name>

GetTime.cgi

<Format>

http://cam-IP/GetTime.cgi

<Output>

Sec1970 = **1091788639**

TimeZone = **420**

NtpServer =

UseNtp = **0**

DayLight = **0**

Interval = **0**

3. Get Log

<Description>

Get current IP Camera's log messages.

No privilege required.

<CGI name>

TSB2_GetLog.cgi

<Format>

http://cam-IP/GetLog.cgi

<Output>

<messages-1>¥n<message-2>¥n<message-3>¥n...

4. Get JPEG Data

<Description>

Get images/status with "multipart/x-mixed-replace" mime-type.

No privilege requires.

<CGI name>

GetData.cgi

<Format>

http://cam-IP/GetData.cgi

<Output>

HTTP/1.0 200 OK

Date: Fri, 6 Aug 2004 19:45:17 GMT

Server WYM/1.0

Connection; close

Content-Type: multipart/x-mixed-replace;boundary=WINBONDBOUNDARY

Last-Modified: Fri, 6 Aug 2004 19:45:17 GMT

Pragma: no-cache

Cache-Control: no-cache

Expires: 01 Jan 1970 00:00:00 GMT

--WINBONDBOUNDARY

Content-Type: image/jpeg

<content of jpeg file>

--WINBONDBOUNDARY

Content-Type: image/jpeg

<content of jpeg file>

5. Get Audio Stream

<Description>

Get audio stream.

No privilege required.

<CGI name>

GetAudioData.cgi

<Format>

[http://cam-IP/GetAudioData.cgi\[?Format=<Pcm/Adpcm>\]](http://cam-IP/GetAudioData.cgi[?Format=<Pcm/Adpcm>])

If "Format" is omitted, the default value is "Adpcm".

<Output>

Ref. GetData.cgi

6. Set Quality

<Description>

Set quality.

No privilege required.

<CGI name>

ChangeCompressRatio.cgi

<Format>

`http://cam-IP/ChangeCompressRatio.cgi?Ratio=value[&RedirectUrl=sUrl]`

0:Level 1

1:Level 2

2:Level 3

3:Level 4

4:Level 5

[RedirectUrl=sUrl] should omit.

<Output>

7. Set Resolution

<Description>

Set resolution.

No privilege required.

<CGI name>

ChangeResolution.cgi

<Format>

`http://cam-IP/ChangeResolution.cgi?ResType=value[&RedirectUrl=sUrl]`

2:320*240

3:640*480

5:160*120

[RedirectUrl=sUrl] should omit.

<Output>

8. Set Brightness

<Description>

Set brightness.

No privilege required.

<CGI name>

ChangeBrightness.cgi

<Format>

`http://cam-IP/ChangeBrightness.cgi?Brightness=value[&RedirectUrl=sUrl]`

0~255

[RedirectUrl=sUrl] should omit.

<Output>

9. Set Contrast

<Description>

Set contrast.

No privilege required.

<CGI name>

ChangeContrast.cgi

<Format>

`http://cam-IP/ChangeContrast.cgi?Contrast=value[&RedirectUrl=sUrl]`

0~255

[RedirectUrl=sUrl] should omit.

<Output>

10. Set Saturation

<Description>

Set saturation.

No privilege required.

<CGI name>

ChangeSaturation.cgi

<Format>

`http://cam-IP//ChangeSaturation.cgi?Saturation=value[&RedirectUrl=sUrl]`

0~255

[RedirectUrl=sUrl] should omit.

<Output>

11. Set Hue

<Description>

Set hue.

No privilege required.

<CGI name>

ChangeHue.cgi

<Format>

`http://cam-IP/ChangeHue.cgi?Hue=value[&RedirectUrl=sUrl]`

0~255

[RedirectUrl=sUrl] should omit.

<Output>

12. Set IP

<Description>

Set network informations.

No privilege required.

<CGI name>

SetIP.cgi

<Format>

`http://cam-IP/SetIP.cgi?[Interface=eth1][&Enable=<true|false>][&IPWay=<manually|dhcp>][&CameraName=sName][&IP=sIP][&Netmask=sNetmask][&Gateway=sGateway][&DNS0=sDNS0][&DNS1=sDNS1][&DNS2=sDNS2][&RedirectUrl=sUrl]`

`[RedirectUrl=sUrl]` should omit.

<Output>

13. Get IP

<Description>

Get active HTTP port number.

No privilege required.

<CGI name>

GetIP.cgi

<Format>

`http://cam-IP/GetIP.cgi[?Interface=eth1][&JsVar=variable[&OnJs=function]]`

<Output>

CameraName = **CameraName**

DNS0 = **DotNotation**

DNS1 = **DotNotation**

DNS2 = **DotNotation**

Enable = <0/1>

IPWay = <manually/dhcp>

IP = **DotNotation**

Netmask = **DotNotation**

Gateway = **DotNotation**

MailOnDhcp = <on/off>

MailSubject = **String**

14. Set Port

<Description>

Set new HTTP port number.

No privilege required.

<CGI name>

SetHttp.cgi

<Format>

`http://cam-IP/SetHttp.cgi?Port=iPort[&RedirectUrl=sUrl]`

[RedirectUrl=sUrl] should omit.

<Output>

15. Get Port

<Description>

Set new HTTP port number.

No privilege required.

<CGI name>

SetHttp.cgi

<Format>

[http://cam-IP/SetHttp.cgi?Port=iPort\[&RedirectUrl=sUrl\]](http://cam-IP/SetHttp.cgi?Port=iPort[&RedirectUrl=sUrl])

[RedirectUrl=sUrl] should omit.

<Output>

16. Get Camera State

<Description>

Get Camera State

No privilege required.

<CGI name>

GetCameraState.cgi

<Format>

<http://cam-ip/GetCameraState.cgi>

<Output>

Brightness = <0~255/-1>

Contrast = <0~255/-1>

Saturation = <0~255/-1>

Hue = <0~255/-1>

Resolution = <2:320*240 / 3:640*480 /5:160*120>

Quality = <0~4>

Flickerless = <1:on / 0:off>

BLC = <0~4>

AE = <0~40>

Sound = <1:on / 0:off>

Name = **CameraName**

RtcPower = <0:RTC battery Full / 1:RTC battery Low>

TargetSize = <0:Fixed image off /1: :Fixed image on>

17. Set Bandwidth Control

<Description>

Set Bandwidth Control paramters.

No privilege required.

<CGI name>

SetBandwidth.cgi

<Format>

<http://cam-IP/SetBandwidth.cgi?BandSw=nSw&BandLen=nLen&BandMode=nMode>

BandSw; Switch unlimited/limited

0; unlimited

1; limited

BandLen; Numeric character

BandMode; Switch Mbps/Kbps

0; Mbit/s

1; Kbit/s

<Output>

18. Get Bandwidth Control

<Description>

Get Bandwidth Control state

No privilege required.

<CGI name>

GetBandwidth.cgi

<Format>

<http://cam-ip/GetBandwidth.cgi>

<Output>

BandwidthSw = <0/1>

BandwidthMode = <0/1>

BandwidthLen = *numeric*

19. Set Fixed Image Data Size

<Description>

Set Fixed image data size.

No privilege required.

<CGI name>

My_SetTargetSize.cgi

<Format>

http://cam-IP/My_SetTargetSize.cgi?oTargetSize=nSize

oTargetSize; Switch enable/disable

0; disable(OFF)

1; enable(ON)

20. Get a jpeg image

<Description>

Get Camera Image

No privilege required.

<CGI name>

CamImg.jpg

<Format>

<http://cam-ip/Jpeg/CamImg.jpg>

<Output>

One jpeg image data.

History

== Fri May 20 2005

1) typo

16. Get Camera State

(Wrong) TargetSize = <0:Flickerless off /1: :Flickerless on>

(Right) TargetSize = <0:Fixed image off /1:Fixed image on>

2) Add

17. Set Bandwidth Control

18. Get Bandwidth Control

19. Set Fixed Image Data Size

3) Add

20. Get a jpeg image

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