

IK-WR01A Software Development Kit

R 1. 10

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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/TSB2_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. 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>

6. 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>

7. 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>

8. 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>

9. 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>

10. 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>

11. 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>

12. 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**

13. 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>

14. Get Port

<Description>

Get HTTP port number.

No privilege required.

<CGI name>

GetHttp.cgi

<Format>

<http://cam-IP/GetHttp.cgi>

<Output>

Port0 = numeric (0 - 65535)

Port1 = 0

15. 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>

Name = **CameraName**

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

16. Set Bandwidth Control

<Description>

Set Bandwidth Control parameters.

No privilege required.

<CGI name>

SetBandwidth.cgi

<Format>

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

BandSw; Switch unlimited/limited

0; unlimited

1; limited

BandFrame; Numeric (1 – 30)

<Output>

17. 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>

BandwidthFrame = *numeric (1-30)*

18. 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

[01] 16, Aug, 2005 Rev1.00 New release.

[02] 06, Oct, 2005 Rev1.10 Add "Get a jpeg image".

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