CGI Commands for Luma X10 Series IP Cameras

This data sheet helps you set up streaming connections with your Luma IP cameras. Variable text marked in red.

Get an Image from a Camera

Use **http://<camera IP address>/wps-cgi/image.cgi?camera=<channel>&StreamNum=<1 for main stream; 2 for sub stream>&resolution=<resolution>&username=<user>&password=<password>**

Example: http://192.168.8.112/wps-cgi/image.cgi?camera=1&StreamNum=2&resolution=640x360&username=admin&password=pw123

- The channel can range from 1–16; the default is 1. The resolution defaults to 640x480.

Get Video from a Camera

Use **http://<camera IP address>/wps-cgi/video.cgi?camera=<channel>&StreamNum=<1 for main stream; 2 for sub stream>&resolution=<resolution>&format=MPEG&username=<user>&password=<password>**

Example: http://192.168.24.109:86/wps-cgi/video.cgi?camera=6&resolution=320x240&format=MPEG&username=admin&password=pw123

- The channel can range from 1–16; the default is 1. The resolution defaults to 640x480.

Get Input Trigger Notification from a Camera

Use **http://<camera IP address>/wps-cgi/InputTriggerHttpNotify.cgi?I_NotifyEn=<0 to disable, 1 to enable>&camera=<channel>&HttpUrl=http://<camera IP address including its port>/test.cgi&username=<user>&password=<password>**

Example: http://192.168.8.112/wps-cgi/InputTriggerHttpNotify.cgi?I_NotifyEn=1&camera=1&HttpUrl=http://192.168.8.112:80/test.cgi&username=admin&password=pw123

- HttpUrl: the default port is 80

Get Motion Detection Notification from a Camera

Use **http://<camera IP address>/wps-cgi/MotionDetectionHttpNotify.cgi?M_NotifyEn=<0 to disable, 1 to enable>&camera=<channel>&HttpUrl=http://<server IP address including its port>/test.cgi&username=<user>&password=<password>**

Example: http://192.168.8.112/wps-cgi/MotionDetectionHttpNotify.cgi?M_NotifyEn=1&camera=1&HttpUrl=http://192.168.8.112:80/test.cgi&username=admin&password=pw123

- The channel can range from 1–16; the default is 1.

Get GPIO

Use **http://<camera IP address>/wps-cgi/GetGPIO.cgi?**

Example: http://10.10.38.17/wps-cgi/GetGPIO.cgi?

Use **http://<camera IP address>/wps-cgi/GetGPIO.cgi?Input<alarm input>Trig&Output<port>&Output_Mode&Output_Interval&username=<user>&password=<password>**

Example: http://10.10.38.17/wps-cgi/GetGPIO.cgi?Input1Trig&Output1&Output_Mode&Output_Interval&username=admin&password=pw123

- Output(1–4)
- The command Input(1–16)Trig gets the corresponding alarm input port status.

Set GPIO

For static, **use http://<camera IP address>/wps-cgi/SetGPIO.cgi?Camera=<channel>&Output_Mode=0&Out<output port>STA=<status>&username=<user>&password=<password>**

Example: http://10.10.38.17/wps-cgi/SetGPIO.cgi?Camera=1&Output_Mode=0&Out1STA=1&username=admin&password=pw123

For toggle, use **http://<camera IP address>/wps-cgi/SetGPIO.cgi?Camera=<channel>&Output_Mode=1&Output_Interval=<interval in seconds>&Out<output port>Slide=1&username=<user>&password=<password>**

Example: http://10.10.38.17/wps-cgi/SetGPIO.cgi?Camera=1&Output_Mode=1&Output_Interval=5&Out1Slide=1&username=admin&password=pw123

- Channel number is 0 for the recorder, or 1–16 for the corresponding camera. It defaults to 0.
- Output port ranges from 1–4, and gets the corresponding alarm output port status
- Output_Mode gets the current alarm output work mode.
- Output_Interval gets the current alarm output persisting time from 1–61 seconds.
- Status is either 1 (for low) or 0 (for high).

Get/Set a Camera's Name or Model

To get a camera's name, use **http://<camera IP address>/wps-cgi/GetName.cgi?camera=<channel>**

Example: http://10.10.38.17/wps-cgi/GetName.cgi?camera=1

To set a camera's name, use **http://<camera IP address>/wps-cgi/SetName.cgi?camera=<channel>&Name=<name>&username=<user>&password=<password>**

Example: http://10.10.38.17/wps-cgi/SetName.cgi?camera=1&Name=easttest&username=admin&password=pw123

To get a camera's model, use **http://<camera IP address>/wps-cgi/GetModel.cgi**

Example: http://10.10.38.17/wps-cgi/GetModel.cgi

Get an H.264 stream using RTSP

For RTSP with authentication, use **rtsp://<username>:<password>:@:<IP address of the device>:<RTSP port>/Streaming/channels/<1 for main stream, 2 for sub stream and 3 for third stream>**

Example for getting the main stream of an IP camera connected to channel 1 of the Luma NVR PoE port: rtsp://admin:pw123@192.168.1.15:65101/Streaming/channels/1

Example for getting the main stream of an IP camera connected to channel 4 of the Luma NVR PoE port: rtsp://admin:pw123@192.168.1.15:65104/Streaming/channels/1

Example for getting the third stream of an IP camera connected to channel 1 of the Luma NVR PoE port: rtsp://admin:pw123@192.168.1.15:65101/Streaming/channels/3

Example for getting the sub stream of an IP camera: rtsp://admin:pw123@192.186.1.11:10554/Streaming/channels/2

Please note - in order to use the 3rd stream it must first be enabled by logging into the camera and navigating to System Settings>Hardware Settings and check "Enable Third Stream"