

CGI commands for Luma 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.246 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>**

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 sub 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/2

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