



**TR310/TR311HN/
TR311/TR313/TR333/TR331/TR313V2**

HTTP CGI Commands (Updated 12/20/2021)



HTTP CGI scripts

CGI List for Video Transmission			
CGI item name	URL	Command	Parameter Name
Get JPEG	/snapshot		
Get RTSP stream	rtsp://ip/live_st1		

CGI List for Camera Control			
CGI item name	URL	Command	Parameter Name
up start	/cgi-bin/SetPtzf=	1,0,1&(random)	
up end	/cgi-bin/SetPtzf=	1,0,2&(random)	
down start	/cgi-bin/SetPtzf=	1,1,1&(random)	
down end	/cgi-bin/SetPtzf=	1,1,2&(random)	
left start	/cgi-bin/SetPtzf=	0,1,1&(random)	
left end	/cgi-bin/SetPtzf=	0,1,2&(random)	
right start	/cgi-bin/SetPtzf=	0,0,1&(random)	
right end	/cgi-bin/SetPtzf=	0,0,2&(random)	
zoom_in start	/cgi-bin/SetPtzf=	2,0,1&(random)	
zoom_in end	/cgi-bin/SetPtzf=	2,0,2&(random)	
zoom_out start	/cgi-bin/SetPtzf=	2,1,1&(random)	
zoom_out end	/cgi-bin/SetPtzf=	2,1,2&(random)	
set preset:	/cgi-bin?ActPreset=	1,N&(random)	
load preset:	/cgi-bin?ActPreset=	0,N&(random)	

CGI List for Various Settings			
exposure value	/cgi-bin?Set=	img_expo_expo,3,N&(random)	value
saturation	/cgi-bin?Set=	img_saturation,3,N&(random)	value
contrast	/cgi-bin?Set=	img_contrast,3,N&(random)	value
Tracking on:	/cgi-bin?Set=	trk_tracking_on,3,1	
Tracking off:	/cgi-bin?Set=	trk_tracking_on,3,0	
Reboot	GET(Basic Authentication)	/cgi-bin?OnePush=!	
Factory Reset	GET(Basic Authentication)	/cgi-bin?OnePush=d	
Mode Presenter		/cgi-bin?Set=trk_mode,3,1&X	value
Mode Zone		/cgi-bin?Set=trk_mode,3,2&X	value

Mode Hybrid		/cgi-bin?Set=trk_mode,3,3&X	
Mode Get	GET(Basic Authentication)	/cgi-bin?Get=trk_mode,3&_X	value
	- Reply	Presenter trk_mode,3=1 Zone trk_mode,3=2 Hybrid trk_mode,3=3	
Click Track ON	GET(Basic Authentication)	/cgi-bin?Set=trk_update_detect,3,1	
Click Track OFF	GET(Basic Authentication)	/cgi-bin?Set=trk_update_detect,3,0	
Click Track Get detect zone (Humanoid outlines) number	GET(Basic Authentication)	/cgi-bin?Get=trk_detect_num,3	
	- Reply	"trk_detect_num,3=X\r\n"	X: The amount of humanoid outlines, maximum: 50
Click Track Get detect zone (Humanoid outlines) info	GET(Basic Authentication)	/cgi-bin?GetTrackingDetectZone=X	
	- Reply	"focus:-1\zone[00]:00,119,720,960\zone[01]: 1502615204,-1366225632,01,-1366223544"	focus - The number of humanoid outline being tracked. zone[NN]:x,y,w,h - based on 1080P resolution
Click Track Set target zone	GET(Basic Authentication)	/cgi-bin?Set=trk_assign_zone,3,X	X: The number of the human outlines
	- Reply	http response: ok	
	GET(Basic Authentication)	/cgi-bin?SetString=TrackingFocusZone.[x,y,w,h]	
	- Reply	http response: ok	
Tracking On/Off Get	GET(Basic Authentication)	/cgi-bin?Get=trk_tracking_on,3&_X	
	- Reply	On trk_tracking_on,3=1 Off trk_tracking_on,3=0"	
RTMP Start streaming	/cgi-bin?Set=	vdo_rtmp_enable,3,1	
RTMP Stop streaming	/cgi-bin?Set=	vdo_rtmp_enable,3,0	
script (Using cURL to update firmware)	curl.exe -X POST --user NAME:PASSWORD -F file1=@./ISP_FILE "http://IP_ADDRESS/system/"		

Example codes

Assuming the camera having an IP address of 10.10.10.5

Up start : [http://10.10.10.5/cgi-bin?SetPtf=1,0,1&0,1,1&\(1234\)](http://10.10.10.5/cgi-bin?SetPtf=1,0,1&0,1,1&(1234))

Zoom_in start : [http://10.10.10.5/cgi-bin?SetPtf=2,0,1&\(1235\)](http://10.10.10.5/cgi-bin?SetPtf=2,0,1&(1235))

Tracking on : http://10.10.10.5/cgi-bin?Set=trk_tracking_on,3,1

Tracking off : http://10.10.10.5/cgi-bin?Set=trk_tracking_on,3,0

The (random) code is user defined and can be any unique code in sequence.
This ID cannot be the same, otherwise the camera will ignore this command.

Example codes:

There are the examples for saturation, exposure, and contrast.

Saturation example:

[http://10.100.93.82/cgi-bin?Set=img_saturation,3,10&\(1238\)](http://10.100.93.82/cgi-bin?Set=img_saturation,3,10&(1238)) <= the red value
10 is the value of saturation.

Exposure example #1:

[http://10.100.93.82/cgi-bin?Set=img_expo_expo,3,9&\(1239\)](http://10.100.93.82/cgi-bin?Set=img_expo_expo,3,9&(1239)) <= the red value **9**
is the value of exposure, the exposure value (-4 ~ 4) in system is 4.

Exposure example #2:

[http://10.100.93.82/webui?Set=img_expo_expo,3,1&\(1240\)](http://10.100.93.82/webui?Set=img_expo_expo,3,1&(1240)) <= the red value **1**
is the value of exposure, the exposure value (-4 ~ 4) in system is -4.

Contrast example:

[http://10.100.93.82/webui?Set=img_contrast,3,4&\(1241\)](http://10.100.93.82/webui?Set=img_contrast,3,4&(1241)) <= the red value **4** is
the value of contrast.