



## TR310/TR311HN/ TR311/TR313/TR333

HTTP CGI Commands (Updated 1/20/2020)

## HTTP CGI scripts

CGI List for Video Transmission					
CGI item name	URL	Command	Parameter Name	Parameter value	Description
Get JPEG	/snapshot				1280x720 jpg
Get RTSP stream	rtsp://ip/live_stl				
CGI List for Camera Control					
CGI item name	URL	Command	Parameter Name	Parameter value	Description
up start	/cgi-bin?SetPtz=	1,0,1&(random)			
up end	/cgi-bin?SetPtz=	1,0,2&(random)			
down start	/cgi-bin?SetPtz=	1,1,1&(random)			
down end	/cgi-bin?SetPtz=	1,1,2&(random)			
left start	/cgi-bin?SetPtz=	0,1,1&(random)			
left end	/cgi-bin?SetPtz=	0,1,2&(random)			
right start	/cgi-bin?SetPtz=	0,0,1&(random)			
right end	/cgi-bin?SetPtz=	0,0,2&(random)			
zoom_in start	/cgi-bin?SetPtz=	2,0,1&(random)			
zoom_in end	/cgi-bin?SetPtz=	2,0,2&(random)			
zoom_out start	/cgi-bin?SetPtz=	2,1,1&(random)			
zoom_out end	/cgi-bin?SetPtz=	2,1,2&(random)			
set preset:	/cgi-bin?ActPreset=	1,N&(random)			N : position
load preset:	/cgi-bin?ActPreset=	0,N&(random)			N : position

CGI List for Various Settings					
exposure value	/cgi-bin?Set=	img_expo_expo,3,N&(random)	value	1 ~ 9	N : value
saturation	/cgi-bin?Set=	img_saturation,3,N&(random)	value	0 ~ 10	N : value
contrast	/cgi-bin?Set=	img_contrast,3,N&(random)	value	0 ~ 4	N : value
Tracking on:	/cgi-bin?Set=	trk_tracking_on,3,1			
Tracking off:	/cgi-bin?Set=	trk_tracking_on,3,0			
Tracking Presenter Mode:	/cgi-bin?Set=	trk_mode,3,1&(random)			
Tracking Zone Mode:	/cgi-bin?Set=	trk_mode,3,2&(random)			
Reboot	/cgi-bin?OnePush=d		GET(Basic Authentication)		
Factory Reset	/cgi-bin?OnePush=d		GET(Basic Authentication)		
<b>Mode Presenter</b>	/cgi-bin?Set=trk_mode,3,1&X		value	random number	X : value
<b>Mode Zone</b>	/cgi-bin?Set=trk_mode,3,2&X		value	random number	X : value
<b>Mode Get</b>	/cgi-bin?Get=trk_mode,3,<_X>		value	random number	X : value
Presenter(Wide Area) trk_mode,3=1 Zone(Segment) trk_mode,3=2			- Reply		
<b>Click Track ON</b>	/cgi-bin?Set=trk_update_detect,3,1		GET(Basic Authentication)		
			- Reply		
<b>Click Track OFF</b>	/cgi-bin?Set=trk_update_detect,3,0		GET(Basic Authentication)		
			- Reply		
<b>Click Track Get detect zone number</b>	/cgi-bin?Get=trk_detect_num,3		GET(Basic Authentication)		Need to send with "Click Track ON"
	"trk_detect_num,3=<X>\r\n"		- Reply		X: limit 50 human-shaped
<b>Click Track Get detect zone info</b>	/cgi-bin?GetTrackingDetectZone=X		GET(Basic Authentication)		
	"focus -\n1\nzone[00]:00,119,720,960\n1\nzone[01]:-1502615204,-1366225632,01,-1366223544"		- Reply		focus - tracking box number zone[NN]x,y,w,h based on 1080P

<b>Click Track Set target zone</b>	/cgi-bin?Set=trk_assign_zone,3,X		GET(Basic Authentication)		X: human shaped box number
			- Reply		
	/cgi-bin?SetString=TrackingFocusZone,[x,y,w,h]		GET(Basic Authentication)		
			- Reply		

## Example codes

Assuming the camera having an IP address of 10.10.10.5

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

Zoom\_in start : [http://10.10.10.5/cgi-bin?SetPtzf=2,0,1&\(1235\)](http://10.10.10.5/cgi-bin?SetPtzf=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.