

Datavideo PTC-285 & PTC-305 HTTP Commands

PTC-285 & PTC-305 HTTP Command				
Control				
Function	Command	Variable	Values	Comments
Pan & Tilt	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&[action]&[pan speed]&[tilt speed]	[camera ip]	*cameras current IP	
		[action]	up	moves camera 'up'
			down	moves camera 'down'
			left	moves camera 'left'
			right	moves camera 'right'
			leftup	moves camera 'left' & 'up'
			rightup	moves camera 'right' & 'up'
			leftdown	moves camera 'left' & 'down'
			rightdown	moves camera 'right' & 'down'
			ptzstop	tells camera to 'stop' moving
		[pan speed]	1	slowest 'pan' speed
			...	ranges from 1 - 24
			24	fastest 'pan' speed
		[tilt speed]	1	slowest 'tilt' speed
			...	ranges from 1 - 20
			20	fastest 'tilt' speed
Zoom	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&[action]&[zoom speed]	[camera ip]	*cameras current IP	
		[action]	zoomin	zooms camera in
			zoomout	zooms camera out
			zoomstop	stops zooming
		[zoom speed]	1	slowest 'zoom' speed
			...	ranges from 1 - 7
			7	fastest 'zoom' speed
Focus	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&[action]&[focus speed]	[camera ip]	*cameras current IP	
		[action]	focusin	focuses camera in
			focusout	focuses camera out
			focusstop	stops focusing
		[focus speed]	1	slowest 'focus' speed
			...	ranges from 1 - 7
			7	fastest 'focus' speed
Home Position	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&home&[pan speed]&[tilt speed]	[camera ip]	*cameras current IP	Moves camera to HOME
		[pan speed]	1	slowest 'pan' speed
			...	ranges from 1 - 24
			24	fastest 'pan' speed
		[tilt speed]	1	slowest 'tilt' speed
			...	ranges from 1 - 20
			20	fastest 'tilt' speed
PT Reset	http://[camera ip]/cgi-bin/param.cgi?pan_tiltdrive_reset	[camera ip]	*cameras current IP	Performs pan / tilt reset "dance"
Preset	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&[action]&[position number]	[camera ip]	*cameras current IP	
		[action]	posset	position 'set'
			poscall	position 'call'
		[position number]	0-254	

PTC-285 & PTC-305 HTTP Command				
Control				
Direct Position Recall	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&[mode]&[pan speed]&[tilt speed]&[pan position]&[tilt position]	[camera ip]	*cameras current IP	
		[mode]	abs	Absolute Positioning
			rel	Relative Positioning
		[pan speed]	1	slowest 'pan' speed
			...	ranges from 1 - 24
			24	fastest 'pan' speed
		[tilt speed]	1	slowest 'tilt' speed
			...	ranges from 1 - 20
			20	fastest 'tilt' speed
		[pan position]	0000 or FFFF	home position
			1	first step pan right
			...	range from 0000 to 0990 (HEX)
			990	last step pan right
			FFFE	first step pan left
			... F670	range from FFFF to F670 (HEX) last step pan left
		[tilt position]	0000 or FFFF	Home Position first step tilt up
			1	range from 0000 to 0510 (HEX)
			...	
			1B0	last step tilt up
			FFFE	first step tilt down
			...	range from FFFF to FE51 (HEX)
			FE50	last step tilt down
Direct Zoom Recall	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&zoomto&[zoom speed]&[zoom position]	[camera ip]	*cameras current IP	
		[zoom speed]	0	slowest zoom speed
			...	range from 0 - 7
			7	fastest zoom speed
		[zoom position]	0	Full Wide
			...	range from 0 - 4000 (HEX)
			4000	Full Tele

PTC-285 & PTC-305 HTTP Command				
Navigation				
Function	Command	Variable	Values	Comments
OSD Access	http://[camera_ip]/cgi-bin/ptzctrl.cgi?navigate_mode&[mode]	[camera_ip]	*cameras current IP	
		[mode]	OSD	Calls OSD Menu
		[camera_ip]	*cameras current IP	
		[mode]	CONFIRM	Selects an OSD option
			OSD_BACK	Returns to previous menu
			*cameras current IP	Exit the OSD menu and enter the PTZ mode
	http://[camera_ip]/cgi-bin/ptzctrl.cgi?ptzcmd&[action]	[camera_ip]	*cameras current IP	
			up	moves menu selection 'up'
			down	moves menu selection 'down'
			left	Adjusts OSD option left
			right	Adjusts OSD option right

PTC-285 & PTC-305 HTTP Command				
Image Adjustments				
Function	Command	Variable	Values	Comments
Image Settings	http://[camera_ip]/cgi-bin/param.cgi?post_image_value&[mode]&[level]	[camera ip]	*cameras current IP	
		[mode]	bright	adjust brightness(0-14)
			saturation	adjust saturation(0-14)
			contrast	adjust contrast(0-14)
			sharpness	adjust sharpness(0-11)
			hue	adjust hue(0-14)
			gain	0-22
			shutter	0-17
			drc	0-8
			rgaintuning	0-20
			meteringmode	0-----average 1-----center 2-----smart 3-----top
			aemode	0-----AUTO 3-----Manual 10-----Shutter priority 11-----Iris priority 13-----Bright
			expcomp_mode	2-----ON 3-----OFF
			expcomp_level	0-14
			backlight	2-----ON 3-----OFF
			antiflicker	0-----OFF 1-----50HZ 2-----60HZ
			wbmode	0-----Auto 1-----Indoor mode 2-----Outdoor mode 3-----OnePush mode 5-----Manual 32-----VAR
			bgaintuning	0-20
			lumnance	0-14
			mirror	adjust mirror(0-1)
			flip	adjust flip(0-1)
			bwmode	0-----OFF 1-----ON
Image configuration	http://[camera_ip]/cgi-bin/param.cgi?post_image_conf			
Default Image Settings	http://[camera_ip]/cgi-bin/param.cgi?get_image_default_conf	[camera ip]	*cameras current IP	Defaults all image settings above
Image configuration	http://[camera_ip]/cgi-bin/param.cgi?get_image_conf	[camera ip]	*cameras current IP	

PTC-285 & PTC-305 HTTP Command				
JPEG Snapshot				
Function	Command	Variable	Values	Comments
Take Snapshot	http://[camera ip]/snapshot.jpg	[camera ip]	*cameras current IP	Takes a JPEG snapshot
Change Resolution	http://[camera ip]/cgi-bin/snapshot.cgi?post_snapshot_conf&resolution=[size]	[camera ip]	*cameras current IP	
		[size]		the same as the sub stream
Inquiries				
Function	Command	Variable	Values	Comments
Video	http://[camera_ip]/cgi-bin/param.cgi?get_media_view	[camera ip]	*cameras current IP	Video Preview
	http://[camera ip]/cgi-bin/param.cgi?get_media_video	[camera ip]	*cameras current IP	Network Video Configuration
	http://[camera_ip]/cgi-bin/param.cgi?post_media_video	[camera ip]	*cameras current IP	Network Video Configuration
Audio	http://[camera ip]/cgi-bin/param.cgi?get_media_audio	[camera ip]	*cameras current IP	Network Audio Configuration
	http://[camera_ip]/cgi-bin/param.cgi?post_media_audio			Network Audio Configuration
System	http://[camera_ip]/cgi-bin/param.cgi?get_sys_tem_conf	[camera ip]	*cameras current IP	Getting system configuration
	http://[camera_ip]/cgi-bin/param.cgi?post_system_conf	[camera ip]	*cameras current IP	Set up System configuration
Network	http://[camera ip]/cgi-bin/param.cgi?get_network_conf	[camera ip]	*cameras current IP	Network Configuration
	http://[camera_ip]/cgi-bin/param.cgi?post_network_other_conf	[camera ip]	*cameras current IP	Network configuration RTSP/RTMP/ONVIF/MCAST/SDK
	http://[camera_ip]/cgi-bin/param.cgi?post_network_inf_o_conf	[camera ip]	*cameras current IP	Network IP configuration
Information	http://[camera ip]/cgi-bin/param.cgi?get_device_conf	[camera ip]	*cameras current IP	Camera Information
	http://[camera_ip]/cgi-bin/param.cgi?post_devinfo_conf	[camera ip]	*cameras current IP	Set Camera Information
snapshot	http://[camera_ip]/cgi-bin/param.cgi?get_snapshot_conf	[camera ip]	*cameras current IP	Get snapshot
Language	http://[camera_ip]/cgi-bin/param.cgi?get_language_conf	[camera ip]	*cameras current IP	Getting the default language
	http://[camera_ip]/cgi-bin/param.cgi?default_language&chinese	[camera ip]	*cameras current IP	Setting the default language
				Chinese
				English
reboot	http://[camera_ip]/cgi-bin/param.cgi?post_reboot	[camera ip]	*cameras current IP	