SimplTrack/HuddleView HTTP-CGI Commands

Control				
Function	**Command**	**Variable**	**Values**	**Comments**
Pan & Tilt	http://**[camera ip]**:8080/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]**:8080/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]**:8080/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]**:8080/cgi-bin/ptzctrl.cgi?ptzcmd&home	**[camera ip]**	*cameras current IP	Moves camera to HOME
PT Reset	http://**[camera ip]**:8080/cgi-bin/param.cgi?pan_tiltdrive_reset	**[camera ip]**	*cameras current IP	Performs pan / tilt reset "dance"
Preset	http://**[camera ip]**:8080/cgi-bin/ptzctrl.cgi?ptzcmd&**[action]**&**[position number]**	**[camera ip]**	*cameras current IP	
		[action]	POSSET	position 'set'
			POSCALL	position 'call'
		[position number]	0	beginning of range 1
			...	range 1 from 0-89
			89	end of range 1
			100	beginning of range 2
			...	range 2 from 100-254
			254	end of range 2
Direct Position Recall	http://**[camera ip]**:8080/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
			0001	first step pan right
			...	range from 0000 to 0990 (HEX)
			0990	last step pan right
			FFFE	first step pan left
			...	range from FFFF to F670 (HEX)
			F670	last step pan left
		[tilt position]	0000 or FFFF	Home Position
			0001	first step tilt up
			...	range from 0000 to 0510 (HEX)
			0510	last step tilt up
			FFFE	first step tilt down
			...	range from FFFF to FE51 (HEX)
			FE51	last step tilt down
Direct Zoom Recall	http://**[camera ip]**:8080/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]	0000	Full Wide
			...	range from 0 - 4000 (HEX)
			4000	Full Tele
Navigation				
Function	**Command**	**Variable**	**Values**	**Comments**
OSD Access	http://**[camera ip]**:8080/cgi-bin/param.cgi?navigate_mode&**[mode]**	**[camera ip]**	*cameras current IP	
		[mode]	OSD	Calls OSD Menu

Function	Command	Variable	Values	Comments
			PTZ	P/T/Z Control Mode
OSD Menu Navigation	http://[camera ip]:8080/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
	http://[camera ip]:8080/cgi-bin/param.cgi?navigate_mode&[mode]	[camera ip]	*cameras current IP	
		[mode]	CONFIRM	Selects an OSD option
			OSD_BACK	Returns to previous menu

Image Adjustments				
Function	**Command**	**Variable**	**Values**	**Comments**
Image Settings	http://[camera ip]:8080/cgi-bin/param.cgi?post_image_value&[mode]&[level]	[camera ip]	*cameras current IP	
		[mode]	BRIGHT	adjust brightness
			SATURATION	adjust saturation
			CONTRAST	adjust contrast
			SHARPNESS	adjust sharpness
			HUE	adjust hue
		[level]	0	beginning of range
			...	ranges from 0 -14
			14	end of range
Image Orientation	http://[camera ip]:8080/cgi-bin/param.cgi?post_image_value&[mode]&[state]	[camera ip]	*cameras current IP	
		[mode]	FLIP	flipped image adjustments
			MIRROR	mirrored image adjustments
		[state]	1	flip / mirror
			0	default
Default Image Settings	http://[camera ip]:8080/cgi-bin/param.cgi?get_image_default_conf	[camera ip]	*cameras current IP	Defaults all image settings above

JPEG Snapshot				
Function	**Command**	**Variable**	**Values**	**Comments**
Take Snapshot	http://[camera ip]:8080/snapshot.jpg	[camera ip]	*cameras current IP	Takes a JPEG snapshot
Change Resolution	http://[camera ip]:8080/cgi-bin/snapshot.cgi?post_snapshot_conf&resolution=[size]	[camera ip]	*cameras current IP	
		[size]	1920x1080	Sets JPEG resolution to 1920x1080
			960x600	Sets JPEG resolution to 960x600
			480x300	Sets JPEG resolution to 480x300