

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'
			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
Focus Lock	http://[camera ip]/cgi-bin/param.cgi?ptzcmd&[action]_mfocus	[camera ip]	*cameras current IP	
		[action]	lock	locks focus state
			unlock	unlocks focus state
Preset Position	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	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
Home Position	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&home	[camera ip]	*cameras current IP	
OSD Access	http://[camera ip]/cgi-bin/param.cgi?navigate_mode&[mode]	[camera ip]	*cameras current IP	
		[mode]	OSD	Calls OSD Menu
			PTZ	P/T/Z Control Mode
OSD Menu Navigation	http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&[action]	[camera ip]	*cameras current IP	
			up	moves menu 'up'
			down	moves menu 'down'
			enter	
			return	
Image Settings	http://[camera ip]/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]/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]/cgi-bin/param.cgi?get_image_default_conf	[camera ip]	*cameras current IP	Defaults all image settings above