| | Prisual HTTP-CGI Control Sheet | | | |
|---|---|---|---|---|
| **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' |
| | http://camera_ip/cgi -bin/ptzctrl.cgi?ptzcmd&up&panspeed&tiltspeed | | 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 |
| | | | 1 | slowest 'pan' speed |
| | | [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 |
| | | [zoom speed] | zoomstop | stops zooming |
| | | | ... | 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 |
| Home Position | http://[camera ip]/cgi-bin/ptzctrl.cgi?ptzcmd&home | [camera ip] | *cameras current IP | Moves camera to HOME |
| 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 | beginning of range 1 |
| | | | ... | range 1 from 0-89 |
| | | | 89 | end of range 1 |
| | | | 100 | beginning of range 2 |
| | | | 254 | end of range 2 |
| 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 |
| | | | 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]/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 |
| | | | | |

| | | [zoom position] | 0000 | Full Wide |
|---|---|---|---|---|
| | | … | range from 0 - 4000 (HEX | |
| | | 4000 | Full Tele | |

## Navigation

| Function | Command | Variable | Values | Comments |
|---|---|---|---|---|
| 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 | Selects an OSD option |
| | | | return | Returns to previous menu |

## 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 |
| | | | 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 |

## 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] | 1920x1080 | Sets JPEG resolution to 1920x1080 |
| | | | 960x600 | Sets JPEG resolution to 960x600 |
| | | | 480x300 | Sets JPEG resolution to 480x300 |

## Photobooth Pictures

| Function | Command | Variable | Values | Comments |
|---|---|---|---|---|
| Take Pictures | http://[camera ip]/cgi-bin/booth.cgi?0&4& [delay]&photo&0 | [camera ip] | *cameras current IP | |
| | | [delay] | 1 | shortest delay |
| | | | … | delay in seconds 1 - 9 |
| | | | 9 | longest delay |
| Download Pictures | http://[camera ip]/photo[num].jpg | [num] | 1 | |
| | | | … | |
| | | | 4 | |

## Photobooth Videos

| Function | Command | Variable | Values | Comments |
|---|---|---|---|---|
| Take Video | http://[camera ip]/cgi-bin/booth.cgi?0&4& [delay]&video&[length] | [camera ip] | *cameras current IP | |
| | | [delay] | 1 | shortest delay |
| | | | … | delay in seconds 1 - 9 |
| | | | 9 | longest delay |
| | | [length] | 1 | shortest length |
| | | | … | length in seconds 1 - 10 |
| | | | 10 | longest length |

| Get Video | http://[camera ip]/video[num].mp4 | [num] | 1 | |
| | | | ... | |
| | | | 4 | |
| **Inquiries** | | | | |
| **Function** | **Command** | **Variable** | **Values** | **Comments** |
| **Video** | http://[camera ip]/cgi-bin/param.cgi?get_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 |
| **Network** | http://[camera ip]/cgi-bin/param.cgi?get_network_conf | [camera ip] | *cameras current IP | Network Configuration |
| **Information** | http://[camera ip]/cgi-bin/param.cgi?get_device_conf | [camera ip] | *cameras current IP | Camera Information |
| **Serial Number** | http://[camera ip]/cgi-bin/param.cgi?get_serial_number | [camera ip] | *cameras current IP | Serial Number *Not always accurate |

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