



Command Line Interface API for the

IntelliSHOT

Software version 1.3.0

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NAME
 audio config

SYNOPSIS
 audio config recall { factory <1> | custom <1-16> }
 audio config store custom <1-16>
 audio config delete custom <1-16>

DESCRIPTION
 Method used to get/set/delete the audio config

OPTIONS
 recall Recall an audio config
 store Store a custom audio config
 custom A custom audio config (can be stored or recalled)
 factory A factory audio config (can be recalled)

EXAMPLES
 audio config recall factory 1
 Recalls the audio config 1 on the device

NAME
 audio echo-cancel

SYNOPSIS
 audio internal_mic echo-cancel { get | on | off | toggle }

DESCRIPTION
 Method used to get or set the current echo cancellation setting

OPTIONS
 get Get the current echo cancellation setting
 on Set echo cancellation to on
 off Set echo cancellation to off
 toggle Toggle the echo cancellation setting

EXAMPLES
 audio internal_mic echo-cancel get
 echo cancel: off
 Returns state of the echo cancellation setting

 audio internal_mic echo-cancel on
 Turns echo cancellation

NAME
 audio mute

SYNOPSIS
 audio <channel> mute { get | on | off | toggle }

DESCRIPTION
 Method used to get or set the current audio mute

OPTIONS
 <channel>
 master Get/Set/Toggle the master mute state
 internal_mic Get/Set/Toggle the mute state of Internal mic
 line_in Get/Set/Toggle the mute state of Line input
 usb_playback Get/Set/Toggle the mute state of USB playback
 line_out Get/Set/Toggle the mute state of Line output
 hdmi_out Get/Set/Toggle the mute state of HDMI output
 ip_out Get/Set/Toggle the mute state of IP stream
 usb_record Get/Set/Toggle the mute state of USB record
 get Get the current audio mute
 on Set audio mute to on
 off Set audio mute to off
 toggle Toggle the audio mute

EXAMPLES
 audio master mute get
 mute: off
 Returns state of the master mute

 audio line_in mute on
 Mutes line input

NAME

```

    audio volume
SYNOPSIS
    audio <channel> volume { get | up | down | set <level> }
DESCRIPTION
    Method used to get or set the current audio volume.
OPTIONS
    <channel>
    internal_mic      Get/Set/Bump the volume of Internal mic
    line_in           Get/Set/Bump the volume of Line input
    usb_playback      Get/Set/Bump the volume of USB playback
    line_out          Get/Set/Bump the volume of Line output
    hdmi_out          Get/Set/Bump the volume of HDMI output
    ip_out            Get/Set/Bump the volume of IP stream
    usb_record        Get/Set/Bump the volume of USB record
    get               Get the current audio volume
    up                Increment audio volume one half step
    down              Decrement audio volume one half step
    set               Set the audio volume level
    <level>
    Internal mic      [-48.0, 6.0]
    Line input        [-42.0, 6.0]
    USB playback      [-48.0, 6.0]
    Line output       [-42.0, 6.0]
    HDMI output       [-48.0, 6.0]
    IP stream         [-48.0, 6.0]
    USB record        [-48.0, 6.0]

```

```

EXAMPLES
    audio internal_mic volume get
    volume:      5.0 dB
    Returns the current internal mic volume
    ----
    audio hdmi_out volume set 2.5
    Sets the volume of HDMI output to 2.5

```

NAME

```

    autoframer buffer-zone
SYNOPSIS
    autoframer buffer-zone { get | set <value> }

```

```

DESCRIPTION
    Method used to get or set the current autoframer Buffer Zone setting.
OPTIONS
    get      Get the current autoframer Buffer Zone setting
    set      Set the current autoframer Buffer Zone setting
    value    Buffer Zone value to set [0, 10]

```

```

EXAMPLES
    autoframer buffer-zone get
    buffer zone:      4%
    Gets the current autoframer Buffer Zone setting
    ----
    autoframer buffer-zone set 1
    Sets the current autoframer Buffer Zone to 1%

```

NAME

```

    autoframer default-wide
SYNOPSIS
    autoframer default-wide { get | on | off | toggle }

```

```

DESCRIPTION
    Method used to get or set the current autoframer Default Wide mode
OPTIONS
    get      Get the current autoframer Default Wide mode
    on       Enable the autoframer
    off      Disable the autoframer

```

```

EXAMPLES
    autoframer default-wide get
    default-wide:      true
    Gets the current autoframer default-wide mode

```

```

----
autoframer default-wide on
Enables Default Wide mode on the autoframer
----
autoframer default-wide off
Disables Default Wide mode on the autoframer

NAME
    autoframer enabled
SYNOPSIS
    autoframer enabled { get | on | off | toggle }
DESCRIPTION
    Method used to get or set the current autoframer Enabled state
OPTIONS
    get          Get the current autoframer Enabled state
    on           Enable the autoframer
    off          Disable the autoframer
    toggle       Toggle the current autoframer Enabled state
EXAMPLES
    autoframer enabled get
    enabled:      true
    Gets the current autoframer enabled state
    ----
    autoframer enabled on
    Enables the autoframer
    ----
    autoframer enabled off
    Disables the autoframer
    ----
    autoframer enabled toggle
    Toggles the current autoframer Enabled state

NAME
    autoframer forced-wait-time
SYNOPSIS
    autoframer forced-wait-time { get | set <value> }
DESCRIPTION
    Method used to get or set the current autoframer Forced Wait Time setting.
OPTIONS
    get          Get the current autoframer Forced Wait Time setting
    set          Set the current autoframer Forced Wait Time setting
    value        Forced Wait Time value to set [0, 360]
EXAMPLES
    autoframer forced-wait-time get
    forced wait time: 30s
    Gets the current autoframer Forced Wait Time setting
    ----
    autoframer forced-wait-time set 50
    Sets the current autoframer Forced Wait Time to 50 seconds

NAME
    autoframer hint
SYNOPSIS
    autoframer hint { get | { <ID> { on | off } } }
DESCRIPTION
    Method used to get or enable/disable hints. Hints can be used in
    conjunction with masks to allow the presenter to be tracked in a masked
    area based on them being seen in a hint area above or below the masked
    area. In other words: if a mask and hint overlap, then the part of a hint
    region that is not masked will be used to allow the presenter to be
    tracked in the part that is masked. A good use case would be a hint below
    a masked-off projector screen or other monitor. The presenter will be
    tracked in front of the projector screen if motion is detected in the hint
    region below the masked region.
OPTIONS
    get          Gets the state of all hints

```

ID	ID of the hints
on	turns a hint on
off	turns a hint off

EXAMPLES

```
autoframer hint get
```

ID	Name	Enabled
----	------	---------

1	Hint 1	true
---	--------	------

3	Hint 3	true
---	--------	------

4	Hint 4	false
---	--------	-------

6	Hint 6	true
---	--------	------

7	Hint 7	true
---	--------	------

8	Hint 8	true
---	--------	------

9	Hint 9	true
---	--------	------

OK

gets the state of all created hints, in this case there are seven, the fourth of which is off.

```
autoframer hint 1 off
```

OK

turns hint 1 off

```
autoframer hint 1 on
```

OK

turns hint 1 on

NAME

```
autoframer history
```

SYNOPSIS

```
autoframer history { get | set <value> }
```

DESCRIPTION

Method used to get or set the current autoframer History setting.

OPTIONS

get	Get the current autoframer History setting
-----	--

set	Set the current autoframer History setting
-----	--

value	History value to set [0.5, 5.0]
-------	---------------------------------

EXAMPLES

```
autoframer history get
```

```
history:      1.5
```

Gets the current autoframer History setting

```
autoframer history set 3.5
```

Sets the current autoframer History to 3.5 seconds

NAME

```
autoframer initial-persistence
```

SYNOPSIS

```
autoframer initial-persistence { get | set <value> }
```

DESCRIPTION

Method used to get or set the current autoframer Initial Persistence setting.

OPTIONS

get	Get the current autoframer Initial Persistence setting
-----	--

set	Set the current autoframer Initial Persistence setting
-----	--

value	Initial Persistence value to set [0, 100]
-------	---

EXAMPLES

```
autoframer initial-persistence get
```

```
initial persistence:      10
```

Gets the current autoframer Initial Persistence setting

```
autoframer initial-persistence set 50
```

Sets the current autoframer Initial Persistence to 50

NAME

```
autoframer mask
```

SYNOPSIS

```
autoframer mask { get | { <ID> { on | off } } }
```

DESCRIPTION

Method used to get or enable/disable masks

OPTIONS

get	Gets the state of all masks
ID	ID of the masks
on	turns a mask on
off	turns a mask off

EXAMPLES

```
autoframer mask get
```

ID	Name	Enabled
----	------	---------

1	Mask 1	true
---	--------	------

2	Mask 2	true
---	--------	------

3	Mask 3	true
---	--------	------

4	Mask 4	true
---	--------	------

5	Mask 5	true
---	--------	------

6	Mask 6	true
---	--------	------

7	Mask 7	true
---	--------	------

OK

gets the state of all created masks, in this case there are seven that are all on

```
autoframer mask 1 off
```

OK

turns mask 1 off

```
autoframer mask 1 on
```

OK

turns mask 1 on

NAME

autoframer max-electronic-zoom

SYNOPSIS

```
autoframer max-electronic-zoom { get | set <value> }
```

DESCRIPTION

Method used to get or set the current autoframer Max Electronic Zoom setting.

OPTIONS

get	Get the current autoframer Max Electronic Zoom setting
-----	--

set	Set the current autoframer Max Electronic Zoom setting
-----	--

value	Max Electronic Zoom value to set [1, 5]
-------	---

EXAMPLES

```
autoframer max-electronic-zoom get
```

max electronic zoom: 3x

Gets the current autoframer Max Electronic Zoom setting

```
autoframer max-electronic-zoom set 2
```

Sets the current autoframer Max Electronic Zoom to 2x

NAME

autoframer max-speed

SYNOPSIS

```
autoframer max-speed { get | set <value> }
```

DESCRIPTION

Method used to get or set the current autoframer Max Speed setting.

OPTIONS

get	Get the current autoframer Max Speed setting
-----	--

set	Set the current autoframer Max Speed setting
-----	--

value	Max Speed value to set [1, 24]
-------	--------------------------------

EXAMPLES

```
autoframer max-speed get
```

max speed: 10

Gets the current autoframer Max Speed setting

```
autoframer max-speed set 20
```

Sets the current autoframer Max Speed to 20

NAME

autoframer noise-threshold

SYNOPSIS

autoframer noise-threshold { get | set <value> }

DESCRIPTION

Method used to get or set the current autoframer Noise Threshold setting.

OPTIONS

get Get the current autoframer Noise Threshold setting
set Set the current autoframer Noise Threshold setting
value Noise Threshold value to set [0, 100]

EXAMPLES

autoframer noise-threshold get
noise threshold: 80
Gets the current autoframer Noise Threshold setting

autoframer noise-threshold set 50
Sets the current autoframer Noise Threshold to 50

NAME

autoframer paused

SYNOPSIS

autoframer paused { get | on | off | toggle }

DESCRIPTION

Method used to get or set the current autoframer Paused state

OPTIONS

get Get the current autoframer Paused state
on Pause the autoframer
off Unpause the autoframer
toggle Toggle the current autoframer Paused state

EXAMPLES

autoframer paused get
paused: false
Gets the current autoframer paused state

autoframer paused on
Pauses the autoframer

autoframer paused off
Unpauses the autoframer

autoframer paused toggle
Toggles the current autoframer Paused state

NAME

autoframer persistence

SYNOPSIS

autoframer persistence { get | set <value> }

DESCRIPTION

Method used to get or set the current autoframer Persistence setting.

OPTIONS

get Get the current autoframer Persistence setting
set Set the current autoframer Persistence setting
value Persistence value to set [0, 100]

EXAMPLES

autoframer persistence get
persistence: 100
Gets the current autoframer Persistence setting

autoframer persistence set 50
Sets the current autoframer Persistence to 50

NAME

autoframer responsiveness

SYNOPSIS

autoframer responsiveness { get | set <value> }

DESCRIPTION

Method used to get or set the current autoframer Responsiveness setting.

OPTIONS

get	Get the current autoframer Responsiveness setting
set	Set the current autoframer Responsiveness setting
value	Responsiveness value to set [0, 100]

EXAMPLES

```
autoframer responsiveness get
responsiveness:      100
Gets the current autoframer Responsiveness setting
----

autoframer responsiveness set 50
Sets the current autoframer Responsiveness to 50
```

NAME

autoframer resting-position

SYNOPSIS

autoframer resting-position { get | set { stay | default-wide | home } }

DESCRIPTION

Method used to get or set the current autoframer resting-position mode

OPTIONS

get	Get the current autoframer resting-position mode
stay	Do not move if no motion is found
default-wide	Fully zoom out when no motion is found
home	Move back to home when no motion is found

EXAMPLES

```
autoframer resting-position get
"Default Wide"
Gets the current autoframer resting-position mode
----

autoframer set default-wide
Enables Default Wide mode for the resting position
----

autoframer set stay
Disables movement when no motion is seen
```

NAME

autoframer sensitivity

SYNOPSIS

autoframer sensitivity { get | set <value> }

DESCRIPTION

Method used to get or set the current autoframer Sensitivity setting.

OPTIONS

get	Get the current autoframer Sensitivity setting
set	Set the current autoframer Sensitivity setting
value	Sensitivity value to set [0, 99]

EXAMPLES

```
autoframer sensitivity get
sensitivity:      80
Gets the current autoframer Sensitivity setting
----

autoframer sensitivity set 50
Sets the current autoframer Sensitivity to 50
```

NAME

autoframer shot-margin

SYNOPSIS

autoframer shot-margin { get | set <value> }

DESCRIPTION

Method used to get or set the current autoframer Shot Margin setting.

OPTIONS

get	Get the current autoframer Shot Margin setting
set	Set the current autoframer Shot Margin setting
value	Shot Margin value to set [0, 30]

EXAMPLES

```
autoframer shot-margin get
shot margin:      2%
```

Gets the current autoframer Shot Margin setting

autoframer shot-margin set 25

Sets the current autoframer Shot Margin to 25%

NAME

autoframer tri-sync-motion

SYNOPSIS

autoframer tri-sync-motion { get | on | off | toggle }

DESCRIPTION

Method used to get or set the current autoframer Tri-Sync Motion setting

OPTIONS

get	Get the current autoframer Tri-Sync Motion setting
on	Enable autoframer Tri-Sync Motion
off	Disable autoframer Tri-Sync Motion
toggle	Toggle the current autoframer Tri-Sync Motion setting

EXAMPLES

autoframer tri-sync-motion get

tri-sync motion enabled: false

Gets the current autoframer Tri-Sync Motion setting

autoframer tri-sync-motion on

Enables autoframer Tri-Sync Motion

autoframer tri-sync-motion off

Disables autoframer Tri-Sync Motion

autoframer tri-sync-motion toggle

Toggles the current autoframer Tri-Sync Motion setting

NAME

camera ccu get

SYNOPSIS

camera ccu get <key>

DESCRIPTION

Method used to get the ccu values of a connected camera

OPTIONS

<key>	
all	Gets all supported CCU information
auto_white_balance	Gets auto_white_balance
red_gain	Gets red gain value
blue_gain	Gets blue gain value
backlight_compensation	Gets backlight compensation
auto_iris	Gets auto_iris mode
iris	Gets iris value
gain	Gets gain value
detail	Gets detail value
chroma	Gets chroma value
gamma	Gets gamma value
wide_dynamic_range	Gets wide_dynamic_range

EXAMPLES

camera ccu get iris

Gets the iris value for the camera

camera ccu get red_gain

Gets the red_gain for the camera

NAME

camera ccu scene

SYNOPSIS

camera ccu scene recall { factory <1-6> | custom <1-3> }

camera ccu scene store <1-3>

DESCRIPTION

Method used to get or set the ccu scene

OPTIONS

recall	Recall a ccu scene
--------	--------------------

```

        store          Store a custom ccu scene
        custom          A custom scene (can be stored or recalled)
        factory         A factory scene (can be recalled)
EXAMPLES
    camera ccu scene recall factory 2
    Recalls the factory scene 2 on the camera

NAME
    camera ccu set
SYNOPSIS
    camera ccu set <key> <value>
DESCRIPTION
    Method used to sets the ccu values
OPTIONS
    <key>
    auto_white_balance    Sets auto white balance mode {on|off}
    red_gain              Sets red gain value <0-255>
    blue_gain             Sets blue gain value <0-255>
    backlight_compensation Sets backlight compensation mode {on|off}
    auto_iris             Sets auto iris mode {on|off}
    iris                  Sets iris value <0-21>
    gain                  Sets gain value <1-11>
    detail                Sets detail value <0-15>
    chroma                Sets chroma value <0-14>
    gamma                 Sets gamma value <-64-64>
    wide_dynamic_range     Sets wide dynamic range mode {on|off}
EXAMPLES
    camera ccu set auto_iris off
    Sets the auto_iris off on the camera
    ----
    camera ccu set red_gain 10
    Sets the red gain to be 10 on the camera

NAME
    camera focus
SYNOPSIS
    camera focus { { near [<speed>] | far [<speed>] } | stop }
    camera focus mode { get | auto | manual }
DESCRIPTION
    Method used to focus the camera
OPTIONS
    near          Move the camera focus near (with optional speed)
    far           Move the camera focus far (with optional speed)
    stop          Stop the camera focus
    mode          Get the current mode or set the it to auto or manual
    speed         Optional integer from 1-8 that represents the speed
EXAMPLES
    camera focus near
    Focuses the camera near at the default speed
    ----
    camera focus far 8
    Focuses the camera far at a speed of 8
    ----
    camera focus stop
    Stops focus movement of the camera
    ----
    camera focus mode get
    Gets the focus mode

NAME
    camera home
SYNOPSIS
    camera home
DESCRIPTION
    Method used to move the camera to home position
EXAMPLES

```

camera home
Move the camera to home position

NAME

camera led

SYNOPSIS

camera led get
camera led on
camera led off

DESCRIPTION

Method used to toggle the led on or off

OPTIONS

get Get status (on/off)
on Turn LED on
off Turn LED off

EXAMPLES

camera led on
Turn LED on.

camera led off
Turn LED off.

camera led get
Determine whether LED is on or off.

NAME

camera optical-zoom

SYNOPSIS

camera optical-zoom in [<speed>]
camera optical-zoom out [<speed>]
camera optical-zoom stop
camera optical-zoom get
camera optical-zoom set <magnification> [<speed>] [no_wait]

DESCRIPTION

Method used to control the camera optical zoom

OPTIONS

in Zoom in
out Zoom out
stop Stop the camera movement
get Get the current magnification level
set Set the current magnification level
magnification Optical magnification level
speed (Optional) Integer from 0-7 for designating speed

(Default: 3)

no_wait (Optional) Do not wait for camera movement to complete

EXAMPLES

camera optical-zoom in
Zooms the camera in at the default speed

camera optical-zoom out 7
Zooms the camera out at a speed of 7

camera optical-zoom stop
Stops optical zoom movement of the camera

camera optical-zoom get
Get optical magnification level

camera optical-zoom set 3
Set current optical magnification level to 3x magnification at speed 3

camera optical-zoom set 4 5 no_wait
Set current optical magnification level to 3x magnification at speed 5,
returning immediately

NAME

```

    camera pan
SYNOPSIS
    camera pan left [<move_speed>]
    camera pan right [<move_speed>]
    camera pan stop
    camera pan get
    camera pan set <position> [speed <set_speed>] [no_wait]
DESCRIPTION
    Method used to control the camera electronic pan
OPTIONS
    left          Move the camera left
    right         Move the camera right
    stop          Stop the camera movement
    get           Get the absolute position
    set           Set the absolute position
    move_speed    (Optional) Integer from 1-24 that represents the move speed
(Default: 12)
    position      Electronic pan position in pixels
    speed         (Optional) Set speed of the pan move to position. If omitted,
                  the camera will snap instantly to the position.
    set_speed     Integer from 1-24 that represents the speed of the move to
position
    no_wait       (Optional) Do not wait for camera movement to complete
EXAMPLES
    camera pan left
    Pans the camera left at the default speed (default: 12)
    ----
    camera pan right 20
    Pans the camera to the right at a speed of 20
    ----
    camera pan stop
    Stops the pan movement of the camera
    ----
    camera zoom get
    Gets the absolute pan position in pixels
    ----
    camera pan set -45 speed 20
    Pans the camera to 45 pixels left of home at a speed of 20
    ----
    camera pan set 30
    Snaps instantly to camera panned 20 pixels right of home position
    ----
    camera pan set 30 speed 12 no_wait
    Pans the camera to 30 pixels right of home at a speed of 12,
    returning immediately

```

NAME

```
    camera preset
```

SYNOPSIS

```

    camera preset recall <1-16>
    camera preset store <1-16> [tri-sync <1-24>] [save-ccu]

```

DESCRIPTION

Method used to recall and store camera presets

OPTIONS

```

    recall        Recall preset
    store         Store preset
    tri-sync      Tri-Sync recall speed
    save-ccu      Saves CCU information as well in the preset

```

EXAMPLES

```

    camera preset recall 3
    Move the camera to preset 3
    ----
    camera preset store 1
    Store current camera position as preset 1
    ----

```

```
camera preset store 2 tri-sync 10 save-ccu
Store current camera position and CCU settings as preset 2, will recall
using tri-sync at speed 10
----
camera preset store 4 tri-sync 15
Store current camera position as preset 4, will recall using tri-sync at
speed 15
```

NAME

camera ptz-position

SYNOPSIS

```
camera ptz-position get
camera ptz-position set [pan <pan-position>]
                        [tilt <tilt-position>]
                        [zoom <zoom-position>]
                        [speed <tri-sync-speed>]
                        [no_wait]
```

DESCRIPTION

Method used to control the electronic pan, tilt and zoom of the camera

OPTIONS

get	Get the camera ePTZ positions
set	Set the camera ePTZ positions
pan	Set the electronic pan position
tilt	Set the electronic tilt position
zoom	Set the electronic magnification
pan-position	Electronic pan position in pixels
tilt-position	Electronic tilt position in pixels
zoom-position	Electronic magnification level
speed	(Optional) Set the Tri-sync for the ePTZ move. If omitted, the camera will snap instantly to the position
tri-sync-speed	Integer from 1-24 for the Tri-sync speed
no_wait	(Optional) Do not wait for the move to complete

EXAMPLES

```
camera ptz-position get
pan:          0
tilt:         0
zoom:         1
Gets the current pan, tilt, and zoom positions.
----
```

```
camera ptz-position set pan 35 tilt -25 zoom 5 speed 20
Moves the electronic pan position to 35 pixels to the right, the
electronic
tilt position to 25 pixels down, and the electronic zoom to 5x
magnification at a Tri-sync speed of 20.
----
```

```
camera ptz-position set zoom 2 speed 12 no_wait
Moves the electronic zoom to 2x magnification at speed 12, and returns
immediately without waiting for the move to complete.
----
```

```
camera ptz-position set pan 0 tilt -200 zoom 3
Jumps instantly to an electronic pan position of 0 (center), an electronic
tilt position of 200 pixels down, and an electronic zoom of 3x
magnification.
```

NAME

camera sensor get

SYNOPSIS

```
camera sensor get
```

DESCRIPTION

Method used to get the camera sensor type

EXAMPLES

```
camera sensor get
So7100
```

NAME

camera tilt

SYNOPSIS

```
camera tilt up [<move_speed>]
camera tilt down [<move_speed>]
camera tilt stop
camera tilt get
camera tilt set <position> [speed <set_speed>] [no_wait]
```

DESCRIPTION

Method used to control the camera electronic tilt

OPTIONS

up	Move the camera up
down	Move the camera down
stop	Stop the camera movement
get	Get the absolute position
set	Set the absolute position
move_speed	(Optional) Integer from 1-20 that represents the move speed (Default: 10)
position	Electronic tilt position in pixels
speed	(Optional) Set speed of tilt move to position. If omitted, the camera will snap instantly to the position.
set_speed	Integer from 1-20 that represents the speed of the move to position
no_wait	(Optional) Do not wait for camera movement to complete

EXAMPLES

```
camera tilt up
Tilts the camera up at the default speed
----
camera tilt down 20
Tilts the camera down at a speed of 20
----
camera tilt stop
Stops the tilt movement of the camera
----
camera tilt get
Gets the absolute tilt position in pixels
----
camera tilt set 45 speed 20
Tilts the camera to 45 pixels above home position at a speed of 20
----
camera tilt set -100
Snaps instantly to camera tilted 100 pixels down from home position
----
camera tilt set 200 speed 10 no_wait
Tilts the camera 200 pixels up from home position at a speed of 10,
returning immediately
```

NAME

camera zoom

SYNOPSIS

```
camera zoom in [<move_speed>]
camera zoom out [<move_speed>]
camera zoom stop
camera zoom get
camera zoom set <magnification> [speed <set_speed>] [no_wait]
```

DESCRIPTION

Method used to control the camera electronic zoom

OPTIONS

in	Zoom in
out	Zoom out
stop	Stop the camera movement
get	Get the current magnification level
set	Set the current magnification level
move_speed	(Optional) Integer from 0-7 that represents the move speed (Default: 3)
magnification	Electronic magnification level

speed (Optional) Set speed of the zoom to magnification level.
 If omitted, the camera will snap instantly to magnification level.
 set_speed Integer from 0-7 that represents the speed of the zoom to magnification level
 no_wait (Optional) Do not wait for camera movement to complete
 EXAMPLES
 camera zoom in
 Zooms the camera in at the default speed

 camera zoom out 7
 Zooms the camera out at a speed of 7

 camera zoom stop
 Stops electronic zoom movement of the camera

 camera zoom get
 Gets electronic magnification level

 camera zoom set 3 speed 4
 Zooms in to 3x electronic magnification level at speed 4

 camera zoom set 2
 Snaps instantly to 2x electronic magnification level

 camera zoom set 4 speed 5 no_wait
 Zooms in to 4x electronic magnification level at speed 5, returning immediately

NAME
 temperature
 SYNOPSIS
 temperature get
 DESCRIPTION
 Gets temperature data for relevant devices
 OPTIONS
 get Get the temperature data
 EXAMPLES
 temperature get
 Returns temperature data, if any exists

NAME
 info all
 SYNOPSIS
 info all get
 DESCRIPTION
 Gets all the data from info
 OPTIONS
 get Get all the data from info
 EXAMPLES
 info all get
 Product GenericTHING
 Company Name Vaddio
 Room Name Rick's cubicle
 Room Phone Number (248) 434-5508
 Help Phone Number (763) 971-4428

NAME
 info product
 SYNOPSIS
 info product get
 DESCRIPTION
 Gets the product name
 OPTIONS
 get Get the product name
 EXAMPLES

```

    info product get
    Product GenericTHING

NAME
    info roomlabels
SYNOPSIS
    info roomlabels get
DESCRIPTION
    Gets all the user set room lables
OPTIONS
    get      Get the user set room labels
EXAMPLES
    info roomlabels get
    Company Name      Vaddio
    Room Name         Rick's cubicle
    Room Phone Number (248) 434-5508
    Help Phone Number (763) 971-4428

NAME
    monitor buttons
SYNOPSIS
    monitor buttons
DESCRIPTION
    Turns on input button monitoring. (Use Ctrl-C to exit).
EXAMPLES
    monitor buttons
    (When a button is pressed, a message will appear: <button name> pressed)

NAME
    network ping
SYNOPSIS
    network ping [count <count>] [size <size>] <destination-ip>
DESCRIPTION
    Use the ICMP protocol's mandatory ECHO_REQUEST datagram to elicit an ICMP
    ECHO_RESPONSE from a host or gateway. ECHO_REQUEST datagrams have an IP
    and ICMP header, followed by a struct timeval and then an arbitrary number
    of pad bytes used to fill out the packet.
OPTIONS
    count          Stop after sending count ECHO_REQUEST packets. With
                   deadline option, ping waits for count ECHO_REPLY packets,
                   until the timeout expires. The default is 5.
    destination    The destination IP address where the ECHO_REQUESTS are
                   sent
    size           The data size of the ICMP packet to send. The default is
                   56 bytes
EXAMPLES
    network ping 192.168.1.1
    Attempt to send 5 ICMP ECHO_REQUESTs with data size 56 to the host at
    192.168.1.1
    ----
    network ping count 10 size 100 192.168.1.1
    Attempt to send 10 ICMP ECHO_REQUESTs with data size of 100 to the host at
    192.168.1.1

NAME
    network settings
SYNOPSIS
    network settings { get }
DESCRIPTION
    Method used to get the current network settings of the device
OPTIONS
    get      Get the current network settings for the machine
EXAMPLES
    network settings get
    MAC Address: 00:04:a3:85:0a:ee
    IP Address: 10.10.8.116

```

Netmask: 255.255.255.0
Gateway: 10.10.8.100
Returns the current network settings for mac address, ip address, netmask,
and gateway

NAME

sleep

SYNOPSIS

sleep <duration>

DESCRIPTION

Method used to pause for a period of time (in milliseconds).

OPTIONS

<duration> Positive integer of milliseconds to wait (1-10000)

EXAMPLES

sleep 700

Waits for 700 milliseconds before returning

NAME

streaming enable

SYNOPSIS

streaming <channel> enable { get | on | off | toggle }

DESCRIPTION

Method used to get or set the current streaming enabled

OPTIONS

<channel>

ip Get or set the current IP streaming state (if supported)

usb Get or set the current USB streaming state (if supported)

get Get the current streaming state

on Set streaming state to on

off Set streaming state to off

toggle Toggle the streaming state

EXAMPLES

streaming ip enable get

enabled: on

Returns whether IP streaming is enabled

streaming ip enable on

Enables IP streaming

NAME

streaming settings

SYNOPSIS

streaming settings get

DESCRIPTION

Method used to get the current streaming settings

OPTIONS

get Get the current streaming settings

EXAMPLES

streaming settings get

USB Active false

USB Device IntelliSHOT

USB Resolution 0x0

USB Enumeration Speed 0

HID Audio Controls Enabled false

UVC Extensions Enabled true

IP Streaming Enabled true

IP Video Quality Standard (Better)

IP Preset Resolution 720p

IP Custom Resolution 1080p/25

IP Bit Rate Mode Variable

IP Max Bandwidth 2048 bps

IP Compression 25

IP Protocol RTSP

IP RTSP Port 554

IP RTMP Port 1935

IP RTSP URL rtsp://10.1.10.248/vaddio-intellishot-stream

IP RTSP MTU 1400
IP RTMP SERVICE Service 1
Gets the current streaming settings

NAME

system factory-reset

SYNOPSIS

system factory-reset { get | on | off }

DESCRIPTION

Method used to get or set the factory reset status.

OPTIONS

get Get the current factory reset status
on Enable factory reset on reboot
off Disable factory reset on reboot

EXAMPLES

system factory-reset get
factory-reset (software): off
factory-reset (hardware): off
Returns the factory reset status

system factory-reset on
factory-reset (software): on
factory-reset (hardware): off
Enables factory reset upon reboot

NAME

system reboot

SYNOPSIS

system reboot [<seconds>]

DESCRIPTION

Method used to reboot system

OPTIONS

seconds The number of seconds to delay the reboot

EXAMPLES

reboot
Reboot system immediately

reboot 30
Reboot the system in 30 seconds

NAME

system standby

SYNOPSIS

system standby { get | on | off | toggle }

DESCRIPTION

Method used to put the system in and out of standby

OPTIONS

get get the state of the system standby mode
on put the system into standby mode
off put the system out of standby mode
toggle switches the standby mode state

EXAMPLES

system standby get
Gets the system standby state

system standby on
Activates the system standby

system standby off
Takes the system out of standby

system standby toggle
Cameras in standby leave it. Cameras out of standby go into it.

NAME

version
SYNOPSIS
version
DESCRIPTION
Method used to display version information
EXAMPLES
version
Returns the current software version

NAME
video mute
SYNOPSIS
video mute { get | on | off | toggle }
DESCRIPTION
Method used to get or set video mute
OPTIONS
get Get the current video mute
on Set video mute to on
off Set video mute to off
toggle Toggle the video mute
EXAMPLES
video mute get
Get current video mute setting

video mute toggle
Toggles the current video mute setting

video mute on
Mutes video

video mute off
Unmutes video

NAME
video osd
SYNOPSIS
video osd { get | on | off }
DESCRIPTION
Method used to get or set on screen display
OPTIONS
get Get's whether OSD is on or off
on Set OSD to on
off Set OSD to off
EXAMPLES
video osd get
Get whether OSD is on or off

video osd on
turns on the on screen display

video osd off
turns off the on screen display

NAME
video resolution
SYNOPSIS
video resolution { get | set <resolution> }
DESCRIPTION
Method used to get or set video resolution
OPTIONS
get Get the current video resolution
set Set the video resolution
<resolution>
auto Let the device figure out the resolution
passthrough Copy the resolution going into the input
1080p/60 Set to this specific resolution

1080p/59.94	Set to this specific resolution
1080p/50	Set to this specific resolution
1080p/30	Set to this specific resolution
1080p/25	Set to this specific resolution
720p/60	Set to this specific resolution
720p/59.94	Set to this specific resolution
720p/50	Set to this specific resolution

EXAMPLES

```
video resolution set auto
OK
Sets video resolution to auto
```

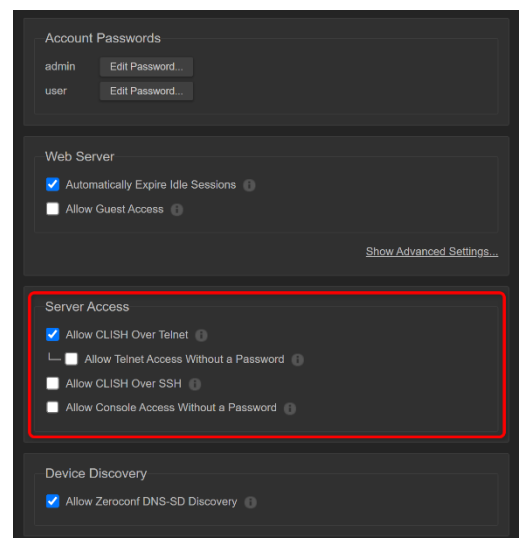
Command Line Interface SHell (CLISH) API reference

Requirements

- SSH (recommended) or Telnet must be enabled on the Security page of the device's web interface.
- Your computer or third-party control system must have a suitable SSH or Telnet client.
- Your computer or third-party control system must be able to connect to the device over the network.

When you start a CLISH session, you must log in using the admin account.

For a Telnet connection (or if the device supports it, for the serial console) the authentication requirement can be disabled.



Usage notes

- In addition to the control commands, session management commands are available – help, history, and exit.
- CTRL-5 clears the current serial buffer on the device.

Getting more information

Use a question mark as a command or command parameter to display a list of available commands, subcommands, or command parameters.

For example, `?` returns all top-level commands; `network ?` returns the valid subcommands for the network command; and `network ping ?` returns the parameters available for the network ping command.

Firmware updates sometimes implement new command parameters. Make sure to reference the latest version of this document to get the current list of supported commands.

Typographical conventions

- { x | y | z } – Choose x, y, or z.
- <variable> – The named variable (such as <ip address>) is required.
- < x..y > – A value in the range of x through y is required.
- [parameter] – The parameter (such as [speed]) is optional.

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