

Vaddio API

RoboSHOT UHD and RoboFLIP 3.0.0 March 31, 2025

NAME

camera ccu get

SYNOPSIS

camera ccu get <key>

DESCRIPTION

Method used to get the CCU values of a connected camera

OPTIONS

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

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 <0-11>
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 chained-preset

SYNOPSIS

camera chained-preset recall <1-16>

camera chained-preset stop

DESCRIPTION

Method used to recall preset chains

OPTIONS

recall	Recall a preset chain
stop	Stop a preset chain loop

EXAMPLES

camera chained-preset recall 3

Recall the set of presets stored as chain 3

camera chained-preset stop

Stop a running chained preset

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 focus ir-correction

SYNOPSIS

camera focus ir-correction { get | standard | ir-light }

DESCRIPTION

Method used to get and set the state of IR focus correction

OPTIONS

get	Get the current state of IR focus correction
standard	Set IR focus correction to standard
ir-light	Set IR focus correction to ir light

EXAMPLES

```
camera focus ir-correction get
```

Returns standard or ir-light

```
camera focus ir-correction standard
```

Sets IR focus correction to standard

```
camera focus ir-correction ir-light
```

Sets IR focus correction to ir-light

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 icr

SYNOPSIS

camera icr { get | off | on }

DESCRIPTION

Method used to control IR(Cut) filter

OPTIONS

get	IR(Cut) filter status
off	IR(Cut) filter engaged - color
on	IR(Cut) filter disengaged - black and white

EXAMPLES

camera icr off

IR(Cut) filter engaged - color

camera icr get

IR(Cut) filter off(In)

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 pan

SYNOPSIS

camera pan { left [<speed>] | right [<speed>] | stop | get | set <position> [<spee

DESCRIPTION

Method used to pan the camera

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
position	Pan position in degrees
speed	Optional integer from 1-24 that represents the speed (Default: 12)
no_wait	Do not wait for camera movement to complete

EXAMPLES

camera pan left

Pans the camera left at the default speed

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 pan set -45 20

Pan the camera to 45 degrees left of home at a speed of 20

camera pan set 30 no_wait

Pan the camera to 30 degrees right of home at a speed of 12, and return 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 | set [pan <pan-pos> [<p-speed>]] [tilt <tilt-pos> [<t-sp

DESCRIPTION

Method used to pan, tilt, and zoom the camera

OPTIONS

get	Get the camera PTZ positions
set	Set the camera PTZ positions
pan	Set the camera pan position in degrees
tilt	Set the camera tilt position in degrees
zoom	Set the camera magnification
wait (Default)	Do not complete until camera arrives at position
no_wait	Complete immediately
pan-pos	Pan position
p-speed	Optional Pan speed 1-24 (Default: 12)
tilt-pos Tilt position	t-speed Optional Tilt speed 1-20 (Default: 10)
zoom-pos	Zoom magnification level
z-speed	Optional Zoom speed 1-7 (Default: 3)

EXAMPLES

```
camera ptz-position set pan 35 tilt 25 zoom 5 no_wait
```

Pans the camera to 35 degrees, tilts to 25 degrees, and zooms to 5x, returning when camera arrives

```
camera ptz-position set pan -35 20 tilt -5 18 zoom 10 7
```

Pans the camera to -35 degrees at speed 20, tilts to -5 degrees at speed 18, and zooms to 10x at speed 7, re-turning immediately

camera ptz-position get

Get the current pan, tilt, and zoom positions

NAME

camera standby

SYNOPSIS

camera standby { get | on | off | toggle }

DESCRIPTION

Method used to put the camera in and out of standby

OPTIONS

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

EXAMPLES

camera standby get

Gets the camera standby state

camera standby on

Activates the camera standby

camera standby off

Takes the camera out of standby

camera standby toggle

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

NAME

camera tilt

SYNOPSIS

camera tilt { up [<speed>] | down [<speed>] | stop | get | set <position> [<speed>]

DESCRIPTION

Method used to tilt the camera

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
position	Tilt position in degrees
speed (Default: 10)	Optional integer from 1-20 that represents the speed
no_wait	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 set 45

Tilt the camera to 45 degrees above home position at default speed

camera tilt set -10 5

Tilt the camera to 10 degrees down from home position at a speed of 5

camera tilt set 10 no_wait

Tilt the camera to 10 degrees up from home position at a speed of 10, returning immediately

NAME

camera zoom

SYNOPSIS

camera zoom { in [<speed>] | out [<speed>] | stop | get | set <magnification> [<sp

DESCRIPTION

Method used to zoom the camera

OPTIONS

in	Zoom in
out	Zoom out
stop	Stop the camera movement
get	Get the current magnification level
set	Set the current magnification level
speed (Default: 3)	Optional integer from 1-7 for designating speed
no_wait	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 zoom movement of the camera

camera zoom get

Get magnification level

camera zoom set 3

Set current magnification level to 3x magnification at speed 3

camera zoom set 4 5 no_wait

Set current magnification level to 3x magnification at speed 5, returning immediately

NAME

exit

SYNOPSIS

exit

DESCRIPTION

Ends the current API command session. If the session is over telnet, the session is ended and the socket is closed. If the session is over serial, a new session is started.

NAME

help

SYNOPSIS

help

DESCRIPTION

Display an overview of the command line syntax

NAME

history

SYNOPSIS

history [limit]

DESCRIPTION

Since many of the programs read user input a line at a time, the command history is used to keep track of these lines and also recall historic information

HISTORY NAVIGATION

The command history can be navigated using the up and down arrow keys. The up arrow will move up a single entry in the command history while the down arrow moves down in the command history.

HISTORY EXPANSION

The command history supports the expansion functionality from which previous commands can be recalled from within a single session. History expansion is performed immediately after a complete line is read.

Listed below are examples of history expansion:

- * !! Substitute the the last command line.
- * !N Substitute the Nth command line (absolute as per 'history' command)
- * !-N Substitute the command line entered N lines before (relative)

EXAMPLES

history

Displays the current command buffer

history 5

Sets the history command buffer to remember the last 5 unique entries

NAME

info roomlabels get

SYNOPSIS

info roomlabels get

DESCRIPTION

Gets all the user set room lables

OPTIONS

get	Get the user set room labels
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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

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
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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

streaming

SYNOPSIS

streaming settings get

DESCRIPTION

Method used to get the current streaming settings

OPTIONS

settings	View streaming settings
----------	-------------------------

EXAMPLES

streaming settings get

IP Custom_Frame_Rate	15
IP Custom_Resolution	360p
IP Enabled	true
IP Port	554
IP Preset_Quality	Standard (Better)
IP Preset_Resolution	720p
IP Protocol	RTSP
IP URL	lobby-conference
IP MTU	1400

NAME

sleep

SYNOPSIS

sleep <value>

DESCRIPTION

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

OPTIONS

<value> 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
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

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
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EXAMPLES

reboot

Reboot system immediately

reboot 30

Reboot the system in 30 seconds

NAME

version

SYNOPSIS

version

DESCRIPTION

Display an overview of the command line syntax

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

SOURCE VERSION

Commit ID - e172b1544ca05552bca12a1abcbfb3b6f7033610