

REST API for Blackmagic Cameras



Developer Information

Camera Control REST API

If you are a software developer you can build custom applications or leverage ready to use tools such as REST client or Postman to seamlessly control and interact with your compatible Blackmagic camera using Camera Control REST API. This API enables you to perform a wide range of operations, such as starting or stopping recordings, accessing disk information and much more. Whether you're developing a custom application tailored to your specific needs or utilizing existing tools, this API empowers you to unlock the full potential of your Blackmagic camera with ease. We look forward to seeing what you come up with!

NOTE It's important to mention that controlling Blackmagic cameras via REST API relies on the web manager being enabled on each compatible Blackmagic camera. Enable the web media manager in the Blackmagic Camera Setup 'network access' settings for each camera you are controlling.

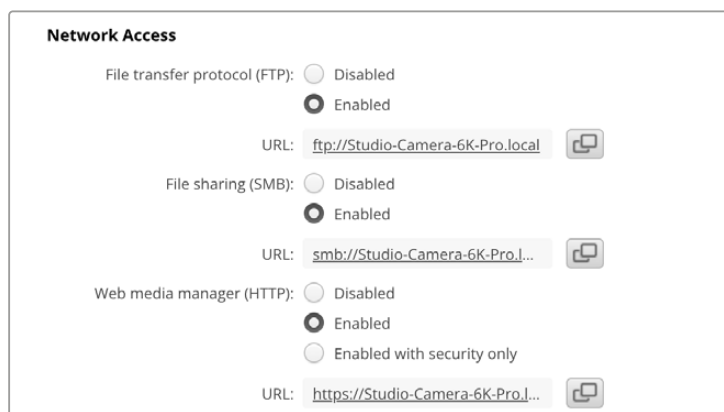
The following Blackmagic cameras are compatible with Camera Control REST API:

- Blackmagic Cinema Camera 6K
- Blackmagic Studio Camera 4K Plus
- Blackmagic Studio Camera 4K Pro G2
- Blackmagic Studio Camera 4K Plus G2
- Blackmagic Studio Camera 6K Pro
- Blackmagic Studio Camera 4K Pro

Sending API Commands

To send an API command to your camera from a third party application such as Postman, add `/control/api/v1/` to the end of the camera's Web media manager URL or IP address. For example, <https://Studio-Camera-6K-Pro.local/control/api/v1/>

You can find the Web media manager URL and IP address information in Blackmagic Camera Setup.



The Web media manager URL in Blackmagic Camera Setup

Downloading API's from your Camera

You can download REST API YAML documentation from your camera by adding /control/documentation.html to the end of the camera's Web media manager URL or IP address. For example, <https://Studio-Camera-6K-Pro.local/control/documentation.html>

NOTE It's worth noting that changing the camera name in Blackmagic Camera Setup will also change the camera's Web media manager URL.

Transport Control API

API for controlling Transport on Blackmagic Design products.

GET /transports/0

Get device's basic transport status.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
mode	string	Transport mode. Possible values are: InputPreview, InputRecord, Output.

PUT /transports/0

Set device's basic transport status.

Parameters

Name	Type	Description
mode	string	Transport mode. Possible values are: InputPreview, Output.

Response

204 - No Content

GET /transports/0/stop

Determine if transport is stopped.

Response

200 - OK

The response is a JSON object.

PUT /transports/0/stop

Stop transport.

Response

204 - No Content

GET /transports/0/play

Determine if transport is playing.

Response

200 - OK

The response is a JSON object.

PUT /transports/0/play

Start playing on transport.

Response

204 - No Content

GET /transports/0/playback

Get playback state.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
type	string	Possible values are: Play, Jog, Shuttle, Var.
loop	boolean	When true playback loops from the end of the timeline to the beginning of the timeline
singleClip	boolean	When true playback loops from the end of the current clip to the beginning of the current clip
speed	number	Playback Speed, 1.0 for normal forward playback
position	integer	Playback position on the timeline in units of video frames

PUT /transports/0/playback

Set playback state.

Parameters

Name	Type	Description
type	string	Possible values are: Play, Jog, Shuttle, Var.
loop	boolean	When true playback loops from the end of the timeline to the beginning of the timeline
singleClip	boolean	When true playback loops from the end of the current clip to the beginning of the current clip
speed	number	Playback Speed, 1.0 for normal forward playback
position	integer	Playback position on the timeline in units of video frames

Response

204 - No Content

GET /transports/0/record

Get record state.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
recording	boolean	Is transport in Input Record mode

PUT /transports/0/record

Set record state.

Parameters

Name	Type	Description
recording	boolean	Is transport in Input Record mode
clipName	string	Used to set the requested clipName to record to, when specifying "recording" attribute to True

Response

204 - No Content

GET /transports/0/timecode

Get device's timecode.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
timecode	number	The time of day timecode in units of binary-coded decimal (BCD).
clip	number	The position of the clip timecode in units of binary-coded decimal (BCD).

GET /transports/0/timecode/source

Get timecode source selected on device

Response

200 - OK

The response is a JSON object.

Name	Type	Description
timecode	string	Possible values are: Timecode, Clip.

Timeline Control API

API for controlling playback timeline.

GET /timelines/0

Get the current playback timeline.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
clips	array	
clips[i]	object	
clips[i].clipUniqueId	integer	Unique ID used to identify this clip
clips[i].frameCount	integer	Number of frames in this clip on the timeline

DELETE /timelines/0

Clear the current playback timeline.

Response

204 - No Content

POST /timelines/0/add

Add a clip to the end of the timeline.

Parameters

This parameter can be one of the following types:

Name	Type	Description
clips	integer	Unique ID used to identify this clip

Name	Type	Description
clips	array	
clips[i]	integer	Unique ID used to identify this clip

Response

204 - No Content

Event Control API

API For working with built-in websocket.

GET /event/list

Get the list of events that can be subscribed to using the websocket API.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
events	array	
events[i]	string	List of events that can be subscribed to using the websocket API

System Control API

API for controlling the System Modes on Blackmagic Design products.

GET /system

Get device system information.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
codecFormat	object	
codecFormat.codec	string	Currently selected codec
codecFormat.container	string	Multimedia container format
videoFormat	object	
videoFormat.name	string	Video format serialised as a string
videoFormat.frameRate	string	Frame rate Possible values are: 23.98, 24.00, 24, 25.00, 25, 29.97, 30.00, 30, 47.95, 48.00, 48, 50.00, 50, 59.94, 60.00, 60, 119.88, 120.00, 120.
videoFormat.height	number	Height dimension of video format
videoFormat.width	number	Width dimension of video format
videoFormat.interlaced	boolean	Is the display format interlaced?

501 - This functionality is not implemented for the device in use.

GET /system/supportedCodecFormats

Get the list of supported codecs.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
codecs	array	
codecs[i]	object	
codecs[i].codec	string	Currently selected codec
codecs[i].container	string	Multimedia container format

GET /system/codecFormat

Get the currently selected codec.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
codec	string	Currently selected codec
container	string	Multimedia container format

501 - This functionality is not implemented for the device in use.

PUT /system/codecFormat

Set the codec.

Parameters

Name	Type	Description
codec	string	Currently selected codec
container	string	Multimedia container format

Response

204 - No Content

501 - This functionality is not implemented for the device in use.

GET /system/videoFormat

Get the currently selected video format.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
name	string	Video format serialised as a string
frameRate	string	Frame rate Possible values are: 23.98, 24.00, 24, 25.00, 25, 29.97, 30.00, 30, 47.95, 48.00, 48, 50.00, 50, 59.94, 60.00, 60, 119.88, 120.00, 120.
height	number	Height dimension of video format
width	number	Width dimension of video format
interlaced	boolean	Is the display format interlaced?

PUT /system/videoFormat

Set the video format.

Parameters

Name	Type	Description
frameRate	string	Frame rate Possible values are: 23.98, 24.00, 24, 25.00, 25, 29.97, 30.00, 30, 47.95, 48.00, 48, 50.00, 50, 59.94, 60.00, 60, 119.88, 120.00, 120.
height	number	Height dimension of video format
width	number	Width dimension of video format
interlaced	boolean	Is the display format interlaced?

Response

204 - No Content

501 - This functionality is not implemented for the device in use.

GET /system/supportedVideoFormats

Get the list of supported video formats for the current system state.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
formats	array	
formats[i]	object	
formats[i].frameRate	string	Frame rate Possible values are: 23.98, 24.00, 24, 25.00, 25, 29.97, 30.00, 30, 47.95, 48.00, 48, 50.00, 50, 59.94, 60.00, 60, 119.88, 120.00, 120.
formats[i].height	number	Height dimension of video format
formats[i].width	number	Width dimension of video format
formats[i].interlaced	boolean	Is the display format interlaced?

501 - This functionality is not implemented for the device in use.

GET /system/supportedFormats

Get supported formats.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
supportedFormats	array	
supportedFormats[i]	object	
supportedFormats[i].codecs	array	Possible values are: 23.98, 24.00, 24, 25.00, 25, 29.97, 30.00, 30, 47.95, 48.00, 48, 50.00, 50, 59.94, 60.00, 60, 119.88, 120.00, 120.
supportedFormats[i].codecs[i]	string	
supportedFormats[i].frameRates	array	
supportedFormats[i].frameRates[i]	string	
supportedFormats[i].maxOffSpeedFrameRate	number	
supportedFormats[i].minOffSpeedFrameRate	number	
supportedFormats[i].recordResolution	object	
supportedFormats[i].recordResolution.height	number	Height of the resolution
supportedFormats[i].recordResolution.width	number	Width of the resolution
supportedFormats[i].sensorResolution	object	
supportedFormats[i].sensorResolution.height	number	Height of the resolution
supportedFormats[i].sensorResolution.width	number	Width of the resolution

501 - This functionality is not implemented for the device in use.

GET /system/format

Get current format.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
codec	string	Currently selected codec
frameRate	string	Frame rate Possible values are: 23.98, 24.00, 24, 25.00, 25, 29.97, 30.00, 30, 47.95, 48.00, 48, 50.00, 50, 59.94, 60.00, 60, 119.88, 120.00, 120.
maxOffSpeedFrameRate	number	
minOffSpeedFrameRate	number	
offSpeedEnabled	boolean	
offspeedFrameRate	number	
recordResolution	object	
recordResolution.height	number	Height of the resolution

recordResolution.width	number	Width of the resolution
sensorResolution	object	
sensorResolution.height	number	Height of the resolution
sensorResolution.width	number	Width of the resolution

501 - This functionality is not implemented for the device in use.

PUT /system/format

Set the format.

Parameters

Name	Type	Description
codec	string	Currently selected codec
frameRate	string	Frame rate Possible values are: 23.98, 24.00, 24, 25.00, 25, 29.97, 30.00, 30, 47.95, 48.00, 48, 50.00, 50, 59.94, 60.00, 60, 119.88, 120.00, 120.
maxOffSpeedFrameRate	number	
minOffSpeedFrameRate	number	
offSpeedEnabled	boolean	
offspeedFrameRate	number	
recordResolution	object	
recordResolution.height	number	Height of the resolution
recordResolution.width	number	Width of the resolution
sensorResolution	object	
sensorResolution.height	number	Height of the resolution
sensorResolution.width	number	Width of the resolution

Response

204 - No Content

501 - This functionality is not implemented for the device in use.

Media Control API

API for controlling media devices in Blackmagic Design products.

GET /media/workingset

Get the list of media devices currently in the working set.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
size	integer	The fixed size of this device's working set
workingset (required)	array	
workingset[i]	object	
workingset[i].index	integer	Index of this media in the working set
workingset[i].activeDisk	boolean	Is this current item the active disk
workingset[i].volume	string	Volume name
workingset[i].deviceName	string	Internal device name of this media device
workingset[i].remainingRecordTime	integer	Remaining record time on media device in seconds
workingset[i].totalSpace	integer	Total space on media device in bytes
workingset[i].remainingSpace	integer	Remaining space on media device in bytes
workingset[i].clipCount	integer	Number of clips currently on the device

GET /media/active

Get the currently active media device.

Response

200 - OK

The response is a JSON object.

Name	Type	Description
workingsetIndex	integer	Working set index of the active media device
deviceName	string	Internal device name of this media device

PUT /media/active

Set the currently active media device.

Parameters

Name	Type	Description
workingsetIndex	integer	Working set index of the media to become active

Response

204 - No Content

GET /media/devices/doformatSupportedFilesystems

Get the list of filesystems available to format the device.

Response

200 - OK

The response is a JSON object.

GET /media/devices/{deviceName}

Get information about the selected device.

Parameters

Name	Type	Description
{deviceName}	string	

Response

200 - OK

The response is a JSON object.

Name	Type	Description
state	string	The current state of the media device. Possible values are: None, Scanning, Mounted, Uninitialised, Formatting, RaidComponent.

GET /media/devices/{deviceName}/doformat

Get a format key, used to format the device with a put request.

Parameters

Name	Type	Description
{deviceName}	string	

Response

200 - OK

The response is a JSON object.

Name	Type	Description
deviceName	string	Internal device name of this media device
key	string	The key used to format this device, it must be fetched with the GET request and then provided back with a PUT request

PUT /media/devices/{deviceName}/doformat

Perform a format of the media device.

Parameters

Name	Type	Description
{deviceName}	string	

Name	Type	Description
key	string	The key used to format this device, it must be fetched with the GET request and then provided back with a PUT request
filesystem	string	Filesystem to format to (supportedFilesystems returns list of supported fileSystems)
volume	string	Volume name to set for the disk after format

Response

204 - No Content

Preset Control API

API For controlling the presets on Blackmagic Design products

GET /presets

Get the list of the presets on the camera

Response

200 - OK

The response is a JSON object.

Name	Type	Description
presets	array	List of the presets on the camera
presets[i]	string	

POST /presets

Send a preset file to the camera

Response

200 - OK

The response is a JSON object.

Name	Type	Description
presetAdded	string	Name of the preset uploaded

GET /presets/active

Get the list of the presets on the camera

Response

200 - OK

The response is a JSON object.

Name	Type	Description
preset	string	

PUT /presets/active

Set the active preset on the camera

Parameter

Name	Type	Description
preset	string	

Response

200 - OK

The response is a JSON object.

GET /presets/{presetName}

Download the preset file

Parameter

Name	Type	Description
{presetName}	string	

Response

200 - OK

The response is a binary file.

PUT /presets/{presetName}

Update a preset on the camera if it exists, if not create a preset and save current state with the presetName

Parameter

Name	Type	Description
{presetName}	string	

Response

200 - OK

The response is a JSON object.

DELETE /presets/{presetName}

Delete a preset from a camera if exists

Parameter

Name	Type	Description
{presetName}	string	

Response

200 - OK

The response is a JSON object.

Audio Control API

API For controlling audio on Blackmagic Design Cameras

GET /audio/channel/{channelIndex}/input

Get the audio input (source and type) for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Response

200 - Currently selected input

The response is a JSON object.

Name	Type	Description
input	string	Possible values are: None, Camera - Left, Camera - Right, Camera - Mono, XLR1 - Mic, XLR1 - Line, XLR2 - Mic, XLR2 - Line, 3.5mm Left - Line, 3.5mm Left - Mic, 3.5mm Right - Line, 3.5mm Right - Mic, 3.5mm Mono - Line, 3.5mm Mono - Mic.

404 - Channel does not exist

PUT /audio/channel/{channelIndex}/input

Set the audio input for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Name	Type	Description
input	string	Possible values are: None, Camera - Left, Camera - Right, Camera - Mono, XLR1 - Mic, XLR1 - Line, XLR2 - Mic, XLR2 - Line, 3.5mm Left - Line, 3.5mm Left - Mic, 3.5mm Right - Line, 3.5mm Right - Mic, 3.5mm Mono - Line, 3.5mm Mono - Mic.

Response

200 - OK

400 - Invalid input

404 - Channel does not exist

GET /audio/channel/{channelIndex}/input/description

Get the description of the current input of the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Response

200 - Description of the current input of the selected channel

The response is a JSON object.

Name	Type	Description
gainRange	object	
gainRange.Min	number	The minimum gain value in dB
gainRange.Max	number	The maximum gain value in dB
capabilities	object	
capabilities.PhantomPower	boolean	Input supports setting of phantom power
capabilities.LowCutFilter	boolean	Input supports setting of low cut filter
capabilities.Padding	object	
capabilities.Padding.available	boolean	Input supports setting of padding
capabilities.Padding.forced	boolean	Padding is forced to be set for the input
capabilities.Padding.value	number	Value of the padding in dB

404 - Channel does not exist

GET /audio/channel/{channelIndex}/supportedInputs

Get the list of supported inputs and their availability to switch to for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Response

200 - The list of supported inputs

The response is a JSON object.

Name	Type	Description
supportedInputs	array	
supportedInputs[i]	object	
supportedInputs[i].schema	object	
supportedInputs[i].schema.input	string	Possible values are: None, Camera - Left, Camera - Right, Camera - Mono, XLR1 - Mic, XLR1 - Line, XLR2 - Mic, XLR2 - Line, 3.5mm Left - Line, 3.5mm Left - Mic, 3.5mm Right - Line, 3.5mm Right - Mic, 3.5mm Mono - Line, 3.5mm Mono - Mic.
supportedInputs[i].available	boolean	Is the input available to be switched into from the current input for the selected channel

404 - Channel does not exist

GET /audio/channel/{channelIndex}/level

Get the audio input level for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Response

200 - Currently set level for the selected channel

The response is a JSON object.

Name	Type	Description
gain	number	
normalised	number	

404 - Channel does not exist

PUT /audio/channel/{channelIndex}/level

Set the audio input level for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Name	Type	Description
gain	number	
normalised	number	

Response

200 - OK

400 - Invalid input

404 - Channel does not exist

GET /audio/channel/{channelIndex}/phantomPower

Get the audio input phantom power for the selected channel if possible

Parameter

Name	Type	Description
{channelIndex}	integer	

Response

200 - Currently set level for the selected channel

The response is a JSON object.

Name	Type	Description
phantomPower	boolean	

404 - Channel does not exist

PUT /audio/channel/{channelIndex}/phantomPower

Set the audio phantom power for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Name	Type	Description
phantomPower	boolean	

Response

200 - OK

400 - Phantom power is not supported for this input

404 - Channel does not exist

GET /audio/channel/{channelIndex}/padding

Get the audio input padding for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Response

200 - Currently set padding for the selected channel

The response is a JSON object.

Name	Type	Description
padding	boolean	

404 - Channel does not exist

PUT /audio/channel/{channelIndex}/padding

Set the audio input padding for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Name	Type	Description
padding	boolean	

Response

200 - OK

400 - Padding is not supported for this input

404 - Channel does not exist

GET /audio/channel/{channelIndex}/lowCutFilter

Get the audio input low cut filter for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Response

200 - Currently set low cut filter for the selected channel

The response is a JSON object.

Name	Type	Description
lowCutFilter	boolean	

404 - Channel does not exist

PUT /audio/channel/{channelIndex}/lowCutFilter

Set the audio input low cut filter for the selected channel

Parameter

Name	Type	Description
{channelIndex}	integer	

Name	Type	Description
lowCutFilter	boolean	

Response

200 - OK

400 - Low cut filter is not supported for this input

404 - Channel does not exist

GET /audio/channel/{channelIndex}/available

Get the audio input's current availability for the selected channel. If unavailable, the source will be muted

Parameter

Name	Type	Description
{channelIndex}	integer	

Response

200 - Currently set availability for the selected channel

The response is a JSON object.

Name	Type	Description
available	boolean	

404 - Channel does not exist

Lens Control API

API For controlling the lens on Blackmagic Design products

GET /lens/iris

Get lens' aperture

Response

200 - OK

The response is a JSON object.

Name	Type	Description
continuousApertureAutoExposure	boolean	Is Aperture controlled by auto exposure
apertureStop	number	Aperture stop value
normalised	number	Normalised value
apertureNumber	number	Aperture number

PUT /lens/iris

Set lens' aperture

Parameter

Name	Type	Description
apertureStop	number	Aperture stop value
normalised	number	Normalised value
apertureNumber	number	Aperture number

Response

200 - OK

GET /lens/zoom

Get lens' zoom

Response

200 - OK

The response is a JSON object.

Name	Type	Description
focalLength	integer	Focal length in mm
normalised	number	Normalised value

PUT /lens/zoom

Set lens' zoom

Parameter

Name	Type	Description
focalLength	integer	Focal length in mm
normalised	number	Normalised value

Response

200 - OK

GET /lens/focus

Get lens' focus

Response

200 - OK

The response is a JSON object.

Name	Type	Description
focus	number	Normalised value

PUT /lens/focus

Set lens' focus

Parameter

Name	Type	Description
focus	number	Normalised value

Response

200 - OK

PUT /lens/focus/doAutoFocus

Perform auto focus

Response

200 - OK

Video Control API

API For controlling the video on Blackmagic Design products

GET /video/iso

Get current ISO

Response

200 - OK

The response is a JSON object.

Name	Type	Description
iso	integer	Current ISO value

PUT /video/iso

Set current ISO

Parameter

Name	Type	Description
iso	integer	ISO value to set

Response

200 - OK

GET /video/gain

Get current gain value in decibels

Response

200 - OK

The response is a JSON object.

Name	Type	Description
gain	integer	Current gain value in decibels

PUT /video/gain

Set current gain value

Parameter

Name	Type	Description
gain	integer	Gain value in decibels to set

Response

200 - OK

GET /video/whiteBalance

Get current white balance

Response

200 - OK

The response is a JSON object.

Name	Type	Description
whiteBalance	integer	Current white balance

PUT /video/whiteBalance

Set current white balance

Parameter

Name	Type	Description
whiteBalance	integer	White balance to set

Response

200 - OK

PUT /video/whiteBalance/doAuto

Set current white balance automatically

Response

200 - OK

GET /video/whiteBalanceTint

Get white balance tint

Response

200 - OK

The response is a JSON object.

Name	Type	Description
whiteBalanceTint	integer	Current white balance tint

PUT /video/whiteBalanceTint

Set white balance tint

Parameter

Name	Type	Description
whiteBalanceTint	integer	White balance tint to set

Response

200 - OK

GET /video/ndFilter

Get ND filter stop

Response

200 - OK

The response is a JSON object.

Name	Type	Description
stop	number	Current filter power (fStop)

PUT /video/ndFilter

Set ND filter stop

Parameter

Name	Type	Description
stop	number	Filter power (fStop) to set

Response

200 - OK

GET /video/ndFilter/displayMode

Get ND filter display mode on the camera

Response

200 - OK

The response is a JSON object.

Name	Type	Description
displayMode	string	Possible values are: Stop, Number, Fraction.

PUT /video/ndFilter/displayMode

Set ND filter display mode on the camera

Parameter

Name	Type	Description
displayMode	string	Possible values are: Stop, Number, Fraction.

Response

200 - OK

GET /video/shutter

Get current shutter. Will return either shutter speed or shutter angle depending on shutter measurement in device settings

Response

200 - OK

The response is a JSON object.

Name	Type	Description
continuousShutterAutoExposure	boolean	Is shutter controlled by auto exposure
shutterSpeed	integer	Shutter speed value in fractions of a second (minimum is sensor frame rate)
shutterAngle	integer	Shutter angle

PUT /video/shutter

Set ND filter display mode on the camera

Parameter

Name	Type	Description
shutterSpeed	integer	Shutter speed value in fractions of a second (minimum is sensor frame rate)
shutterAngle	integer	Shutter angle

Response

200 - OK

GET /video/autoExposure

Get current auto exposure mode

Response

200 - OK

The response is a JSON object.

Name	Type	Description
mode	object	Auto exposure mode
mode.mode	string	Possible values are: Off, Continuous, OneShot.
mode.type	string	Possible values are: , Iris, Shutter, Iris,Shutter, Shutter,Iris.

PUT /video/autoExposure

Set auto exposure

Parameter

Name	Type	Description
mode	object	Auto exposure mode
mode.mode	string	Possible values are: Off, Continuous, OneShot.
mode.type	string	Possible values are: , Iris, Shutter, Iris,Shutter, Shutter,Iris.

Response

200 - OK

Color Correction Control API

API For controlling the color correction on Blackmagic Design products based on DaVinci Resolve Color Corrector

GET /colorCorrection/lift

Get color correction lift

Response

200 - OK

The response is a JSON object.

Name	Type	Description
red	number	
green	number	
blue	number	
luma	number	

PUT /colorCorrection/lift

Set color correction lift

Parameter

Name	Type	Description
red	number	
green	number	
blue	number	
luma	number	

Response

200 - OK

GET /colorCorrection/gamma

Get color correction gamma

Response

200 - OK

The response is a JSON object.

Name	Type	Description
red	number	
green	number	
blue	number	
luma	number	

PUT /colorCorrection/gamma

Set color correction gamma

Parameter

Name	Type	Description
red	number	
green	number	
blue	number	
luma	number	

Response

200 - OK

GET /colorCorrection/gain

Get color correction gain

Response

200 - OK

The response is a JSON object.

Name	Type	Description
red	number	
green	number	
blue	number	
luma	number	

PUT /colorCorrection/gain

Set color correction gain

Parameter

Name	Type	Description
red	number	
green	number	
blue	number	
luma	number	

Response

200 - OK

GET /colorCorrection/offset

Get color correction offset

Response

200 - OK

The response is a JSON object.

Name	Type	Description
red	number	
green	number	
blue	number	
luma	number	

PUT /colorCorrection/offset

Set color correction offset

Parameter

Name	Type	Description
red	number	
green	number	
blue	number	
luma	number	

Response

200 - OK

GET /colorCorrection/contrast

Get color correction contrast

Response

200 - OK

The response is a JSON object.

Name	Type	Description
pivot	number	Default value is: 0.5.
adjust	number	Default value is: 1.

PUT /colorCorrection/contrast

Set color correction contrast

Parameter

Name	Type	Description
pivot	number	Default value is: 0.5.
adjust	number	Default value is: 1.

Response

200 - OK

GET /colorCorrection/color

Get color correction color properties

Response

200 - OK

The response is a JSON object.

Name	Type	Description
hue	number	
saturation	number	Default value is: 1.

PUT /colorCorrection/color

Set color correction color properties

Parameter

Name	Type	Description
hue	number	
saturation	number	Default value is: 1.

Response

200 - OK

GET /colorCorrection/lumaContribution

Get color correction luma contribution

Response

200 - OK

The response is a JSON object.

Name	Type	Description
lumaContribution	number	Default value is: 1.

PUT /colorCorrection/lumaContribution

Set color correction luma contribution

Parameter

Name	Type	Description
lumaContribution	number	Default value is: 1.

Response

200 - OK