



# Vidview Settings Reference Manual

## Table of Contents

1	<root> .....	1
2	license.....	2
3	media.....	3
4	settings.....	4
5	snapshot .....	5
6	vidhance.contrast.....	5
7	vidhance.deinterlace.....	6
8	vidhance.mosaic .....	6
9	vidhance.sharp .....	6
10	vidhance.stabilize .....	7
11	vidhance.track .....	7
12	viewer .....	8
13	viewer.overlays.cross.....	9
14	viewer.overlays.jitter .....	10
15	viewer.overlays.latency .....	11
16	viewer.overlays.logotype.....	12
17	viewer.overlays.northarrow .....	13
18	viewer.overlays.rate .....	14
19	viewer.overlays.text1 .....	15
20	viewer.overlays.text2.....	16
21	viewer.overlays.track .....	18
22	viewer.overlays.watch.....	19
23	window .....	20

1	<root>
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## 1.1 Properties

**error** *read, notify*

The most recent error message.

**version** *read*

The product version number.

## 1.2 Methods

**close**

Shut down the current application instance.

**help**

Generate and open help document in browser.

## 2 License

### 2.1 Properties

**license.expires** *read*

License expiration date.

**license.key** *read*

License key.

**license.signed** *read*

License signing date.

**license.status** *read, write, notify*

License status [missing | invalid | wronghardware | wrongdate | expired | valid]

**license.valid** *read, notify*

Whether the license is valid [true | false].

### 2.2 Methods

**license.address <license key>**

<license key> Your license key.

Address to the license on the license server. Use it to download a license file, which can then be loaded using the load method.

Example: `license.address 43j3khj8`

**license.load <locator>**

<locator> Locator of license file.

Load license from a file.

Example: `license.load file:///c:/license.xml`

**license.request <license key>**

<license key> Your license key.

Request and load a license from the license server.

Example: `license.request 43j3khj8`

## 3 Media

### 3.1 Properties

**media.crop** *read, write, notify*

The media frame cropping [left, right, top, bottom | horizontal, vertical | all].

Example: `media.crop 20, 40`

**media.devices** *read*

A list of all capture devices that can be opened.

**media.end** *read, notify*

Media end position in format [[h:]mm:]ss[.fff].

**media.endmode** *read, write, notify*

Media end mode [eject | pause | play | repeat].

**media.extensions** *read*

A list of all media file extensions that can be opened.

**media.hasnext** *read, notify*

Whether the input media position can be seeked to the last captured position [true | false].

**media.hasprevious** *read, notify*

Whether the input media position can be seeked to the first captured position [true | false].

**media.offset** *read, write, notify*

Media offset position in format [[h:]mm:]ss[.fff].

**media.position** *read, notify*

Current media position in format [[h:]mm:]ss[.fff].

**media.ratio** *read, write, notify*

The media aspect ratio, as a double value [integer.decimals] or integer fraction [nominator/denominator].

Example: `media.ratio 16/9`

**media.resource** *read, notify*

Locator of the currently opened resource.

**media.scan** *read, write, notify*  
Media scan format [unknown | interlaced | progressive].

**media.seekable** *read, notify*  
Whether the input media is seekable [true | false].

**media.start** *read, write, notify*  
Media start position in format [[h:]mm:]ss[.fff].

**media.state** *read, notify*  
Media state [closed | paused | playing].

## 3.2 Methods

**media.eject**  
Eject currently opened media.

**media.next**  
Play the media from the last captured position.

**media.open <locator>**  
<locator> Locator of file, capture device or video stream.  
Open media specified by locator argument.  
Example: `media.open file:///c:/test.avi`

**media.pause**  
Pause playback, if playing.

**media.play**  
Start playback of opened media.

**media.previous**  
Play the media from the first captured position.

**media.seek <position>**  
Seek media to specified position in format [[h:]mm:]ss[.fff].  
Example: `media.seek 03:12`

## 4 Settings

### 4.1 Properties

**settings.asynchronous** *read, write*  
Asynchronous mode [None | Set | Notify | SetNotify | Call | SetCall | NotifyCall | All], where Set, Notify, and Call make property sets, notifications, and method calls, respectively, asynchronous. This means that the application will not wait for a response from the callee.

## 5 Snapshot

### 5.1 Properties

#### **snapshot.sources** *read*

Comma separated list of snapshot sources currently available for capturing.

### 5.2 Methods

#### **snapshot.capture <source> <locator>**

<source> Snapshot source [original | enhanced | viewer].

<locator> Where to store the snapshot.

Capture the last frame in the video stream.

Example: `snapshot.capture original file:///$(Pictures)/snapshot-$(Time).png`

## 6 Vidhance.contrast

### 6.1 Properties

#### **vidhance.contrast.complexity** *read, write, notify*

Computational complexity of contrast algorithm. Valid values are integers in the range [0 - 10], where 0 turns contrast enhancements off.

Default: 3

#### **vidhance.contrast.intensity** *read, write, notify*

Contrast intensity value in the range [0 - 1] where 0 equals no change and 1 equals extreme changes.

Default: 0.5

#### **vidhance.contrast.mode** *read, write, notify*

Contrast optimization mode [off | luma | color | colorize | monochrome].

Default: luma

## 7 Vidhance.deinterlace

### 7.1 Properties

**vidhance.deinterlace.method** *read, write, notify*  
Deinterlace method [even | odd].  
Default: even

**vidhance.deinterlace.mode** *read, write, notify*  
Deinterlace mode [off | on].  
Default: off

## 8 Vidhance.mosaic

### 8.1 Properties

**vidhance.mosaic.fade** *read, write, notify*  
Local mosaic fading speed [0 - 1].  
Default: 0.5

**vidhance.mosaic.mode** *read, write, notify*  
Local mosaic mode [off | on].  
Default: on

**vidhance.mosaic.size** *read, write, notify*  
Local mosaic size (width, height).  
Default: 1024,1024

## 9 Vidhance.sharp

### 9.1 Properties

**vidhance.sharp.interval** *read, write, notify*  
The amount of time allowed for sharp image selection. Will clamp to values between 0 and 10 seconds.  
Default: 00:00:00.400

**vidhance.sharp.mode** *read, write, notify*  
Sharp mode [off | stills | pause | filter].  
Default: stills, pause

## 10 Vidhance.stabilize

### 10.1 Properties

**vidhance.stabilize.mode** *read, write, notify*

Stabilization mode [off | overview | zoom | operator | auto].

Default: overview

**vidhance.stabilize.scale** *read, write, notify*

The scale of the stabilization area target. If set to 0 it defaults to the viewer's scale, or 1 when no viewer is present.

**vidhance.stabilize.size** *read, write, notify*

The size of the stabilization area target. If set to (0, 0) it defaults to the viewer's size, or (1024, 768) when no viewer is present.

### 10.2 Methods

**vidhance.stabilize.reset**

Reset stabilization.

**vidhance.stabilize.resetpan**

Reset stabilization panning.

**vidhance.stabilize.resetrotation**

Reset stabilization rotation.

**vidhance.stabilize.resetscale**

Reset stabilization scale.

## 11 Vidhance.track

### 11.1 Properties

**vidhance.track.active** *read, write, notify*

Whether tracking is currently active [false | true].

**vidhance.track.bounds** *read, notify*

The tracked object region bounds (left, top, width, height) in a normalized coordinate system, where (-0.5,-0.5) is the upper left corner and (0,0) is the image center.

**vidhance.track.defaultsize** *read, write, notify*

The default size of the bounding box around the target.

- vidhance.track.enabled** *read, write, notify*  
Enables / disables pointer interaction.
- vidhance.track.maximumsize** *read, write, notify*  
The maximum bounding box size around the target.
- vidhance.track.minimumsize** *read, write, notify*  
The minimum bounding box size around the target.
- vidhance.track.mode** *read, write, notify*  
The current tracking mode [adaptive | static].
- vidhance.track.quality** *read, notify*  
Quality of tracked object region bounds, as a value between 0 (bad) and 1 (good).

## 11.2 Methods

- vidhance.track.start <start>**  
Start tracking of object in the region specified by start.  
Example: `vidhance.track.start 0.1, -0.3`
- vidhance.track.stop**  
Stop tracking current object.

## 12 Viewer

### 12.1 Properties

- viewer.contentsize** *read, notify*  
The size of the content viewed, in pixels (width, height).
- viewer.rotation** *read, write, notify*  
The media rotation in the viewer, given in radians.
- viewer.scalemode** *read, write, notify*  
Defines how scaling reacts to changes in viewer and content size.
- viewer.scaling** *read, write, notify*  
The media scaling in the viewer.
- viewer.serial** *read, notify*  
Serial number of content currently shown.
- viewer.size** *read, notify*  
The size of the viewing area in pixels (width, height).
- viewer.transform** *read, write, notify*  
The media 2D 3x2 transform matrix [a, b, c, d, e, f].



**viewer.translation** *read, write, notify*  
The media translation within the viewer (x,y).

**viewer.updaterate** *read, notify*  
The current update rate of the content viewed, given in Hz.

## 12.2 Methods

**viewer.fill**  
Set video scaling so that the video fills the viewer without any borders.

**viewer.fit**  
Set video scaling so that the video fills the viewer and still shows the full video.

## 13 Viewer.overlays.cross

### 13.1 Properties

**viewer.overlays.cross.align** *read, write*  
The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].

**viewer.overlays.cross.fill** *read, write*  
The fill color used, e.g. red or #ff0000.

**viewer.overlays.cross.fillopacity** *read, write*  
The fill opacity used, e.g. 0.7 or 1.

**viewer.overlays.cross.hidden** *read, write*  
Whether this overlay is hidden (true) or visible (false).

**viewer.overlays.cross.remote** *read*  
The object type of this remote overlay.

**viewer.overlays.cross.size** *read*  
The size of the overlay when rendered, measured in pixels.

**viewer.overlays.cross.sizetag** *read, write*

**viewer.overlays.cross.stroke** *read, write*  
The stroke color used, e.g. red or #ff0000.

**viewer.overlays.cross.strokeopacity** *read, write*  
The stroke opacity used, e.g. 0.7 or 1.

**viewer.overlays.cross.strokewidth** *read, write*  
The stroke width, e.g. 1px.

**viewer.overlays.cross.transform** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).

**viewer.overlays.cross.transformtag** *read, write*

**viewer.overlays.cross.type** *read*  
The object type of this overlay.

## 14 Viewer.overlays.jitter

### 14.1 Properties

**viewer.overlays.jitter.align** *read, write*  
The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].

**viewer.overlays.jitter.fill** *read, write*  
The fill color used, e.g. red or #ff0000.

**viewer.overlays.jitter.fillopacity** *read, write*  
The fill opacity used, e.g. 0.7 or 1.

**viewer.overlays.jitter.fontfamily** *read, write*  
The font family used, e.g. Verdana.  
Default: Verdana

**viewer.overlays.jitter.fontsize** *read, write*  
Font size, e.g. 12px.  
Default: 12px

**viewer.overlays.jitter.fontweight** *read, write*  
Font weight [normal | bold].

**viewer.overlays.jitter.format** *read, write*  
The format used to display the values of this overlay, e.g. "jitter:\navg {0:fff} ms \nmax {1:fff} ms" (default).

**viewer.overlays.jitter.hidden** *read, write*  
Whether this overlay is hidden (true) or visible (false).

**viewer.overlays.jitter.remote** *read*  
The object type of this remote overlay.

**viewer.overlays.jitter.size** *read*  
The size of the text, measured in pixels.

**viewer.overlays.jitter.sizetag** *read, write*

**viewer.overlays.jitter.stroke** *read, write*  
The stroke color used, e.g. red or #ff0000.

- viewer.overlays.jitter.strokeopacity** *read, write*  
The stroke opacity used, e.g. 0.7 or 1.
- viewer.overlays.jitter.strokwidht** *read, write*  
The stroke width, e.g. 1px.
- viewer.overlays.jitter.textalign** *read, write*  
Text alignment [start | middle | end].
- viewer.overlays.jitter.transform** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).
- viewer.overlays.jitter.transformtag** *read, write*
- viewer.overlays.jitter.type** *read*  
The object type of this overlay.
- viewer.overlays.jitter.value** *read, write*  
The text content.

## 15 Viewer.overlays.latency

### 15.1 Properties

- viewer.overlays.latency.align** *read, write*  
The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].
- viewer.overlays.latency.fill** *read, write*  
The fill color used, e.g. red or #ff0000.
- viewer.overlays.latency.fillopacity** *read, write*  
The fill opacity used, e.g. 0.7 or 1.
- viewer.overlays.latency.fontfamily** *read, write*  
The font family used, e.g. Verdana.  
Default: Verdana
- viewer.overlays.latency.fontsize** *read, write*  
Font size, e.g. 12px.  
Default: 12px
- viewer.overlays.latency.fontweight** *read, write*  
Font weight [normal | bold].
- viewer.overlays.latency.format** *read, write*  
The format used to display the values of this overlay, e.g. "latency: avg {0:fff} ms max {1:fff} ms" (default).

**viewer.overlays.latency.hidden** *read, write*  
Whether this overlay is hidden (true) or visible (false).

**viewer.overlays.latency.remote** *read*  
The object type of this remote overlay.

**viewer.overlays.latency.size** *read*  
The size of the text, measured in pixels.

**viewer.overlays.latency.sizetag** *read, write*

**viewer.overlays.latency.stroke** *read, write*  
The stroke color used, e.g. red or #ff0000.

**viewer.overlays.latency.strokeopacity** *read, write*  
The stroke opacity used, e.g. 0.7 or 1.

**viewer.overlays.latency.strokewidth** *read, write*  
The stroke width, e.g. 1px.

**viewer.overlays.latency.textalign** *read, write*  
Text alignment [start | middle | end].

**viewer.overlays.latency.transform** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).

**viewer.overlays.latency.transformtag** *read, write*

**viewer.overlays.latency.type** *read*  
The object type of this overlay.

**viewer.overlays.latency.value** *read, write*  
The text content.

## 16 Viewer.overlays.logotype

### 16.1 Properties

**viewer.overlays.logotype.align** *read, write*  
The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].

**viewer.overlays.logotype.fill** *read, write*  
The fill color used, e.g. red or #ff0000.

**viewer.overlays.logotype.fillopacity** *read, write*  
The fill opacity used, e.g. 0.7 or 1.

**viewer.overlays.logotype.hidden** *read, write*  
Whether this overlay is hidden (true) or visible (false).

**viewer.overlays.logotype.remote** *read*  
The object type of this remote overlay.

**viewer.overlays.logotype.size** *read*  
The size of the overlay when rendered, measured in pixels.

**viewer.overlays.logotype.sizetag** *read, write*

**viewer.overlays.logotype.stroke** *read, write*  
The stroke color used, e.g. red or #ff0000.

**viewer.overlays.logotype.strokeopacity** *read, write*  
The stroke opacity used, e.g. 0.7 or 1.

**viewer.overlays.logotype.strokewidth** *read, write*  
The stroke width, e.g. 1px.

**viewer.overlays.logotype.transform** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).

**viewer.overlays.logotype.transformtag** *read, write*

**viewer.overlays.logotype.type** *read*  
The object type of this overlay.

## 17 Viewer.overlays.northarrow

### 17.1 Properties

**viewer.overlays.northarrow.align** *read, write*  
The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].

**viewer.overlays.northarrow.fill** *read, write*  
The fill color used, e.g. red or #ff0000.

**viewer.overlays.northarrow.fillopacity** *read, write*  
The fill opacity used, e.g. 0.7 or 1.

**viewer.overlays.northarrow.hidden** *read, write*  
Whether this overlay is hidden (true) or visible (false).

**viewer.overlays.northarrow.remote** *read*  
The object type of this remote overlay.

**viewer.overlays.northarrow.size** *read*  
The size of the overlay when rendered, measured in pixels.

**viewer.overlays.northarrow.sizetag** *read, write*

**viewer.overlays.northarrow.stroke** *read, write*  
The stroke color used, e.g. red or #ff0000.

- viewer.overlays.northarrow.strokeopacity** *read, write*  
The stroke opacity used, e.g. 0.7 or 1.
- viewer.overlays.northarrow.strokewidth** *read, write*  
The stroke width, e.g. 1px.
- viewer.overlays.northarrow.transform** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).
- viewer.overlays.northarrow.transforma** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f] for transform A.
- viewer.overlays.northarrow.transformb** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f] for transform B.
- viewer.overlays.northarrow.transformtag** *read, write*
- viewer.overlays.northarrow.type** *read*  
The object type of this overlay.

## 18 Viewer.overlays.rate

### 18.1 Properties

- viewer.overlays.rate.align** *read, write*  
The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].
- viewer.overlays.rate.fill** *read, write*  
The fill color used, e.g. red or #ff0000.
- viewer.overlays.rate.fillopacity** *read, write*  
The fill opacity used, e.g. 0.7 or 1.
- viewer.overlays.rate.fontfamily** *read, write*  
The font family used, e.g. Verdana.  
Default: Verdana
- viewer.overlays.rate.fontsize** *read, write*  
Font size, e.g. 12px.  
Default: 12px
- viewer.overlays.rate.fontweight** *read, write*  
Font weight [normal | bold].
- viewer.overlays.rate.format** *read, write*  
The string format used to display the value of this overlay, e.g. "{0:F1} Hz" (default).
- viewer.overlays.rate.hidden** *read, write*  
Whether this overlay is hidden (true) or visible (false).

**viewer.overlays.rate.remote** *read*  
The object type of this remote overlay.

**viewer.overlays.rate.size** *read*  
The size of the text, measured in pixels.

**viewer.overlays.rate.sizetag** *read, write*

**viewer.overlays.rate.stroke** *read, write*  
The stroke color used, e.g. red or #ff0000.

**viewer.overlays.rate.strokeopacity** *read, write*  
The stroke opacity used, e.g. 0.7 or 1.

**viewer.overlays.rate.strokewidth** *read, write*  
The stroke width, e.g. 1px.

**viewer.overlays.rate.textalign** *read, write*  
Text alignment [start | middle | end].

**viewer.overlays.rate.transform** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).

**viewer.overlays.rate.transformtag** *read, write*

**viewer.overlays.rate.type** *read*  
The object type of this overlay.

**viewer.overlays.rate.value** *read, write*  
The text content.

## 19 Viewer.overlays.text1

### 19.1 Properties

**viewer.overlays.text1.align** *read, write*  
The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].

**viewer.overlays.text1.fill** *read, write*  
The fill color used, e.g. red or #ff0000.

**viewer.overlays.text1.fillopacity** *read, write*  
The fill opacity used, e.g. 0.7 or 1.

**viewer.overlays.text1.fontfamily** *read, write*  
The font family used, e.g. Verdana.  
Default: Verdana

**viewer.overlays.text1.fontsize** *read, write*  
Font size, e.g. 12px.

Default: 12px

**viewer.overlays.text1.fontweight** *read, write*

Font weight [normal | bold].

**viewer.overlays.text1.hidden** *read, write*

Whether this overlay is hidden (true) or visible (false).

**viewer.overlays.text1.remote** *read*

The object type of this remote overlay.

**viewer.overlays.text1.size** *read*

The size of the text, measured in pixels.

**viewer.overlays.text1.sizetag** *read, write*

**viewer.overlays.text1.stroke** *read, write*

The stroke color used, e.g. red or #ff0000.

**viewer.overlays.text1.strokeopacity** *read, write*

The stroke opacity used, e.g. 0.7 or 1.

**viewer.overlays.text1.strokewidth** *read, write*

The stroke width, e.g. 1px.

**viewer.overlays.text1.textalign** *read, write*

Text alignment [start | middle | end].

**viewer.overlays.text1.transform** *read, write*

The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).

**viewer.overlays.text1.transformtag** *read, write*

**viewer.overlays.text1.type** *read*

The object type of this overlay.

**viewer.overlays.text1.value** *read, write*

The text content.

## 20 Viewer.overlays.text2

### 20.1 Properties

**viewer.overlays.text2.align** *read, write*

The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].

**viewer.overlays.text2.fill** *read, write*

The fill color used, e.g. red or #ff0000.

**viewer.overlays.text2.fillopacity** *read, write*

The fill opacity used, e.g. 0.7 or 1.



- viewer.overlays.text2.fontfamily** *read, write*  
The font family used, e.g. Verdana.  
Default: Verdana
- viewer.overlays.text2.fontsize** *read, write*  
Font size, e.g. 12px.  
Default: 12px
- viewer.overlays.text2.fontweight** *read, write*  
Font weight [normal | bold].
- viewer.overlays.text2.hidden** *read, write*  
Whether this overlay is hidden (true) or visible (false).
- viewer.overlays.text2.remote** *read*  
The object type of this remote overlay.
- viewer.overlays.text2.size** *read*  
The size of the text, measured in pixels.
- viewer.overlays.text2.sizetag** *read, write*
- viewer.overlays.text2.stroke** *read, write*  
The stroke color used, e.g. red or #ff0000.
- viewer.overlays.text2.strokeopacity** *read, write*  
The stroke opacity used, e.g. 0.7 or 1.
- viewer.overlays.text2.strokewidth** *read, write*  
The stroke width, e.g. 1px.
- viewer.overlays.text2.textalign** *read, write*  
Text alignment [start | middle | end].
- viewer.overlays.text2.transform** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).
- viewer.overlays.text2.transformtag** *read, write*
- viewer.overlays.text2.type** *read*  
The object type of this overlay.
- viewer.overlays.text2.value** *read, write*  
The text content.

## 21 Viewer.overlays.track

### 21.1 Properties

**viewer.overlays.track.align** *read, write*

The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].

**viewer.overlays.track.fill** *read, write*

The fill color used, e.g. red or #ff0000.

**viewer.overlays.track.fillopacity** *read, write*

The fill opacity used, e.g. 0.7 or 1.

**viewer.overlays.track.hidden** *read, write*

Whether this overlay is hidden (true) or visible (false).

**viewer.overlays.track.remote** *read*

The object type of this remote overlay.

**viewer.overlays.track.size** *read*

The size of the overlay when rendered, measured in pixels.

**viewer.overlays.track.sizetag** *read, write*

**viewer.overlays.track.stroke** *read, write*

The stroke color used, e.g. red or #ff0000.

**viewer.overlays.track.strokeopacity** *read, write*

The stroke opacity used, e.g. 0.7 or 1.

**viewer.overlays.track.strokewidth** *read, write*

The stroke width, e.g. 1px.

**viewer.overlays.track.transform** *read, write*

The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).

**viewer.overlays.track.transformtag** *read, write*

**viewer.overlays.track.type** *read*

The object type of this overlay.

## 22 Viewer.overlays.watch

### 22.1 Properties

- viewer.overlays.watch.align** *read, write*  
The alignment of this overlay [Left | Center | Right | Top | Middle | Bottom | LeftTop | CenterTop | RightTop | LeftMiddle | CenterMiddle | RightMiddle | LeftBottom | CenterBottom | RightBottom].
- viewer.overlays.watch.fill** *read, write*  
The fill color used, e.g. red or #ff0000.
- viewer.overlays.watch.fillopacity** *read, write*  
The fill opacity used, e.g. 0.7 or 1.
- viewer.overlays.watch.fontfamily** *read, write*  
The font family used, e.g. Verdana.  
Default: Verdana
- viewer.overlays.watch.fontsize** *read, write*  
Font size, e.g. 12px.  
Default: 12px
- viewer.overlays.watch.fontweight** *read, write*  
Font weight [normal | bold].
- viewer.overlays.watch.hidden** *read, write*  
Whether this overlay is hidden (true) or visible (false).
- viewer.overlays.watch.remote** *read*  
The object type of this remote overlay.
- viewer.overlays.watch.size** *read*  
The size of the text, measured in pixels.
- viewer.overlays.watch.sizetag** *read, write*
- viewer.overlays.watch.stroke** *read, write*  
The stroke color used, e.g. red or #ff0000.
- viewer.overlays.watch.strokeopacity** *read, write*  
The stroke opacity used, e.g. 0.7 or 1.
- viewer.overlays.watch.strokewidth** *read, write*  
The stroke width, e.g. 1px.
- viewer.overlays.watch.textalign** *read, write*  
Text alignment [start | middle | end].
- viewer.overlays.watch.transform** *read, write*  
The 2D 3x2 transform matrix [a, b, c, d, e, f]. See [www.w3.org/TR/css3-transforms/#MatrixDefined](http://www.w3.org/TR/css3-transforms/#MatrixDefined).
- viewer.overlays.watch.transformtag** *read, write*
- viewer.overlays.watch.type** *read*  
The object type of this overlay.

**viewer.overlays.watch.value** *read, write*  
The text content.

## 23 Window

### 23.1 Properties

**window.border** *read, write*  
The window border type [resizable | fixed | hidden].

**window.closeaction** *read, write*  
Which action to perform when the window is closed [close | hide | reject].

**window.handle** *read, write*  
The OS handle of the window.

**window.position** *read, write, notify*  
The window position, expressed as x,y.

**window.showintaskbar** *read, write*  
Whether or not to show the window in the Taskbar [true | false].

**window.size** *read, write, notify*  
The size of the window, excluding border, as width,height.

**window.state** *read, write*  
The window state [minimized | normal | maximized].

**window.title** *read, write, notify*  
The window title.

**window.topmost** *read, write*  
Whether to keep the window topmost (always on top) [true | false].

**window.totalsize** *read, write, notify*  
The size of the window, including border, as width,height.

**window.visible** *read, write, notify*  
Whether the window is visible [true | false].