

How do I fix lags during facial tracking?

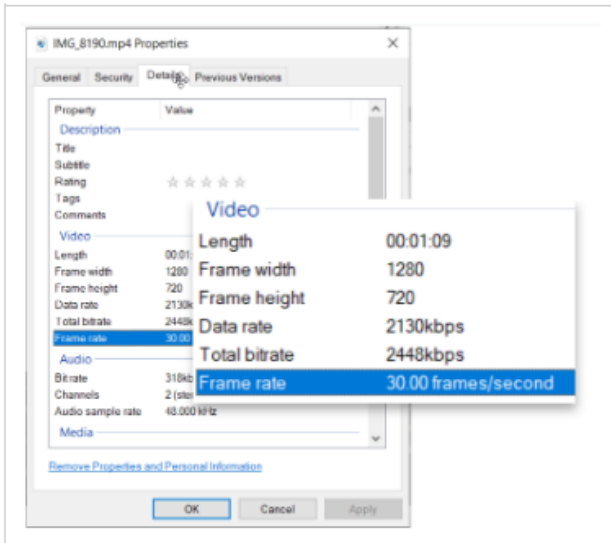
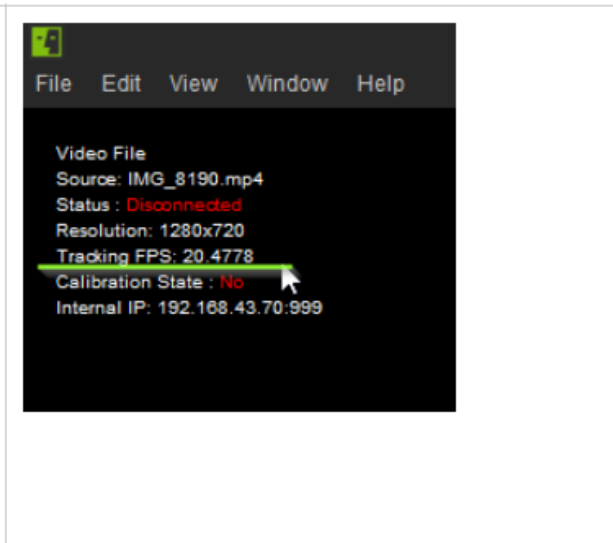
For Video Files

When track is applied to a video and AccuFACE is connected to Motion LIVE, previewing or recording can experience a mismatch between the audio and video track causing the performance to lag. See [Lagging AccuFace fps](#) for more information.

*By enabling **Full-Frame Recording (Timecode)**, the mismatch and subsequent lag will only affect realtime preview, while the final recording will not suffer frame drops.

>> Checking discrepancy between AccuFACE and the source video frame rate

Under these circumstances, the AccuFACE tracking FPS will usually fall behind the source video. For example, when the source video frame rate is at 30.00 frames/second but the AccuFACE viewport stats show ~20, the tracking would have already fallen behind by ~10 frames.

 <p>The screenshot shows the 'Properties' dialog box for a video file named 'IMG_8190.mp4'. The 'Video' tab is active, displaying the following information:</p> <table border="1"><thead><tr><th>Property</th><th>Value</th></tr></thead><tbody><tr><td>Length</td><td>00:01:09</td></tr><tr><td>Frame width</td><td>1280</td></tr><tr><td>Frame height</td><td>720</td></tr><tr><td>Data rate</td><td>2130kbps</td></tr><tr><td>Total bitrate</td><td>2448kbps</td></tr><tr><td>Frame rate</td><td>30.00</td></tr><tr><td>Audio</td><td></td></tr><tr><td>Bitrate</td><td>318kbps</td></tr><tr><td>Channels</td><td>2 (stereo)</td></tr><tr><td>Audio sample rate</td><td>48,000 kHz</td></tr></tbody></table>	Property	Value	Length	00:01:09	Frame width	1280	Frame height	720	Data rate	2130kbps	Total bitrate	2448kbps	Frame rate	30.00	Audio		Bitrate	318kbps	Channels	2 (stereo)	Audio sample rate	48,000 kHz	 <p>The screenshot shows the AccuFACE software interface. The 'Video File' section displays the following information:</p> <table border="1"><thead><tr><th>Property</th><th>Value</th></tr></thead><tbody><tr><td>Source</td><td>IMG_8190.mp4</td></tr><tr><td>Status</td><td>Disconnected</td></tr><tr><td>Resolution</td><td>1280x720</td></tr><tr><td>Tracking FPS</td><td>20.4778</td></tr><tr><td>Calibration State</td><td>No</td></tr><tr><td>Internal IP</td><td>192.168.43.70:999</td></tr></tbody></table>	Property	Value	Source	IMG_8190.mp4	Status	Disconnected	Resolution	1280x720	Tracking FPS	20.4778	Calibration State	No	Internal IP	192.168.43.70:999
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<p>The video properties is showing 30 FPS.</p>	<p>AccuFACE tracking fps is ~20 FPS for the same video.</p>																																				

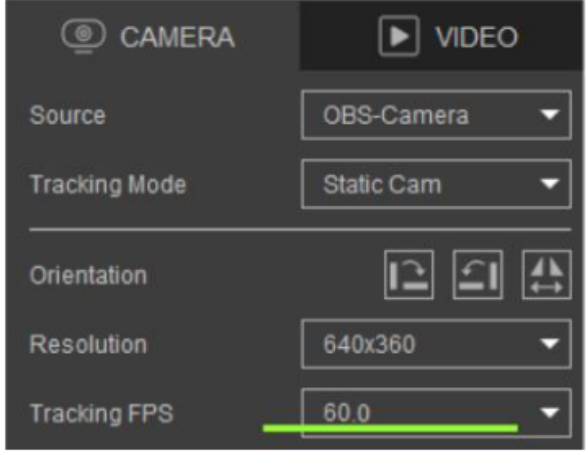

For Live Captures

There will be times when the actor's performance will suffer frame drops when AccuFACE is connected to Motion LIVE for preview or recording (see [Lagging fps for AccuFACE live capture](#)).

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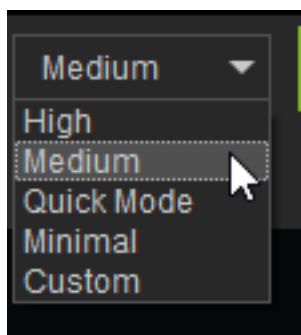
>> Checking if AccuFACE live capture fps is dipping below camera frame rate

	
The camera tracking FPS is showing 60 FPS.	Tracking has dropped to 40 fps for live capture.

Improving facial tracking FPS

You can try the following workarounds to free up additional system resources for AccuFACE realtime playback.

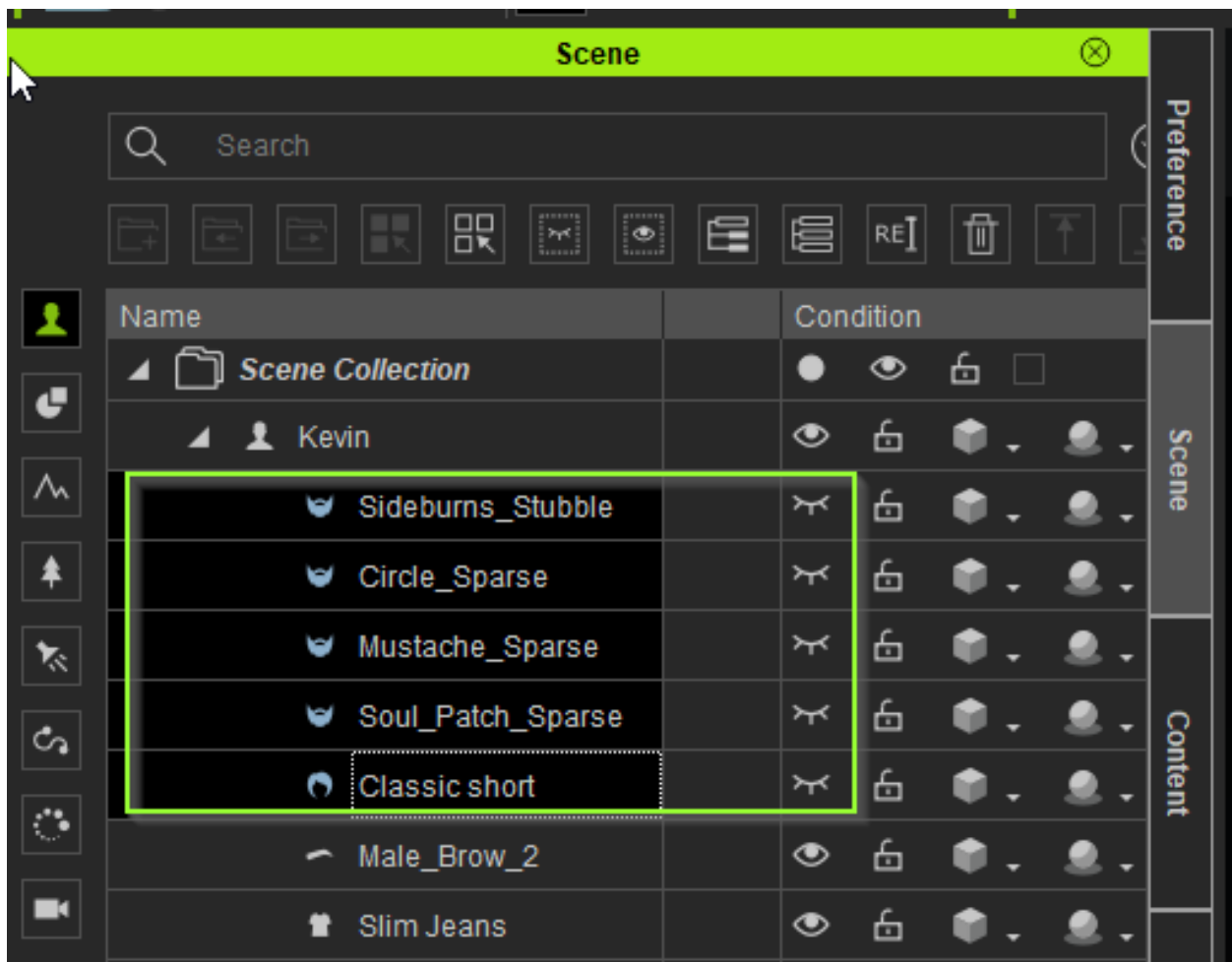
- Switch iClone render mode to 'Medium'.



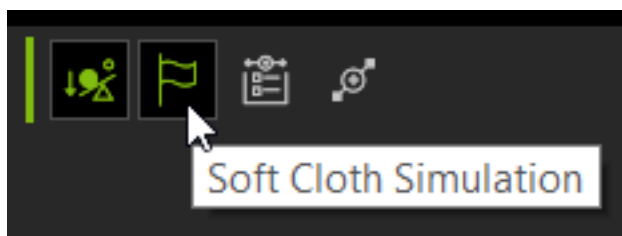
- Hide performance-intensive elements on the character like hairs and

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beards using the Scene Manager. This will reduce the load on the GPU.



- Turn off soft-cloth simulation to free up additional resources.



- For additional ways to reduce the load on resources, consult [iClone 8 Performance note - For Real-time Rendering or Playback](#).

- If all else fails, try reducing the source footage from 60 fps to 30 ([Online Video Converter](#)).

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Reallusion FAQ

<https://kb.reallusion.com/Product/53175/How-do-I-fix-lags-during-facial-tracking>