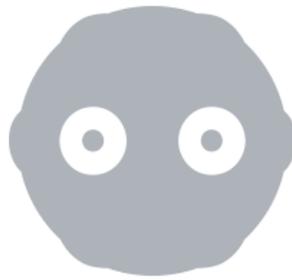


OZO



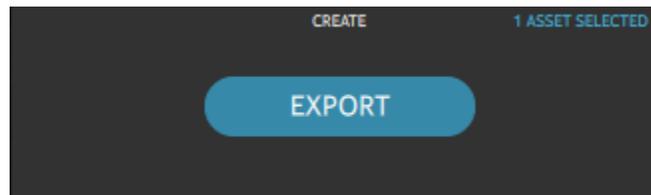
EXPORTING STITCHED MP4s TO YouTube

Updated 22nd August 2017

References OZO Creator v2.1

Procedure

1. Select **Export** under **Create** or use the left-hand panel.



Options for selecting Export in the Creator UI

2. The following screenshots show how to export a file using a custom file naming system. You can use any of the other filing naming systems provided by OZO Creator, **Use asset name** or **Use camera ID and time of capture (UTC)**.

The **Range** drop down menu provides the option of **Selection (In-Out)**, **Single frame (Playhead)**, and **All**. Either use **Selection (In-Out)** to export a section of the capture or **All** to export the entire capture.

Please also note that **Fine** stitching quality can be used as well but this increases the processing time.

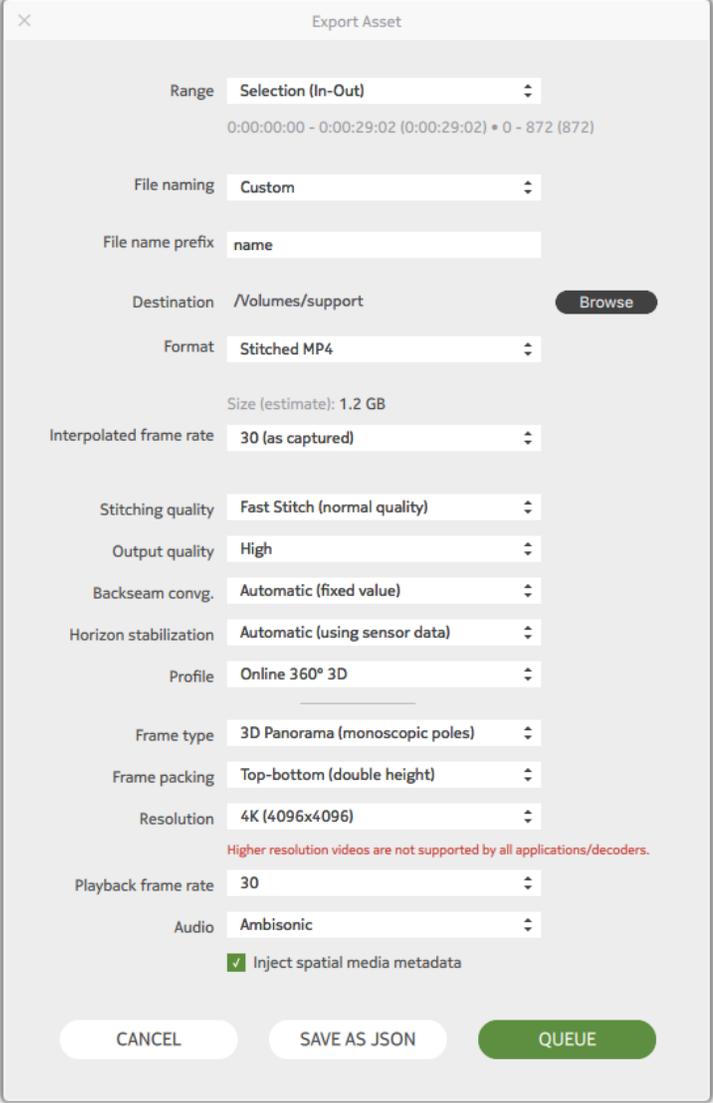
An **Output quality** setting of **High** achieves a good balance between file size and quality. If drive space and upload bandwidth allow, an **Output quality** setting of **Very High** may help imagery pass through YouTube's transcoding process with slightly fewer compression artifacts.

The **Manual** option for the **Backseam convg.** will stitch the backseam to a setting that the user has selected through the OZO Creator UI. The **Automatic (fixed value)** option will calculate the best value for the first frame and apply this to the rest of the frames. The **Automatic (15 frame re-calculation)** will re-calculate the backseam every 15 frames.

The **Horizon stabilization** option allows the footage to be stabilized based on the OZO's orientation sensor.

The **Profile** option provides a selection of preset export options for **Frame type**, **Frame packing**, **Resolution**, **Playback frame rate**, and **Audio**.

Here is an example of the settings used to export a stereoscopic file.



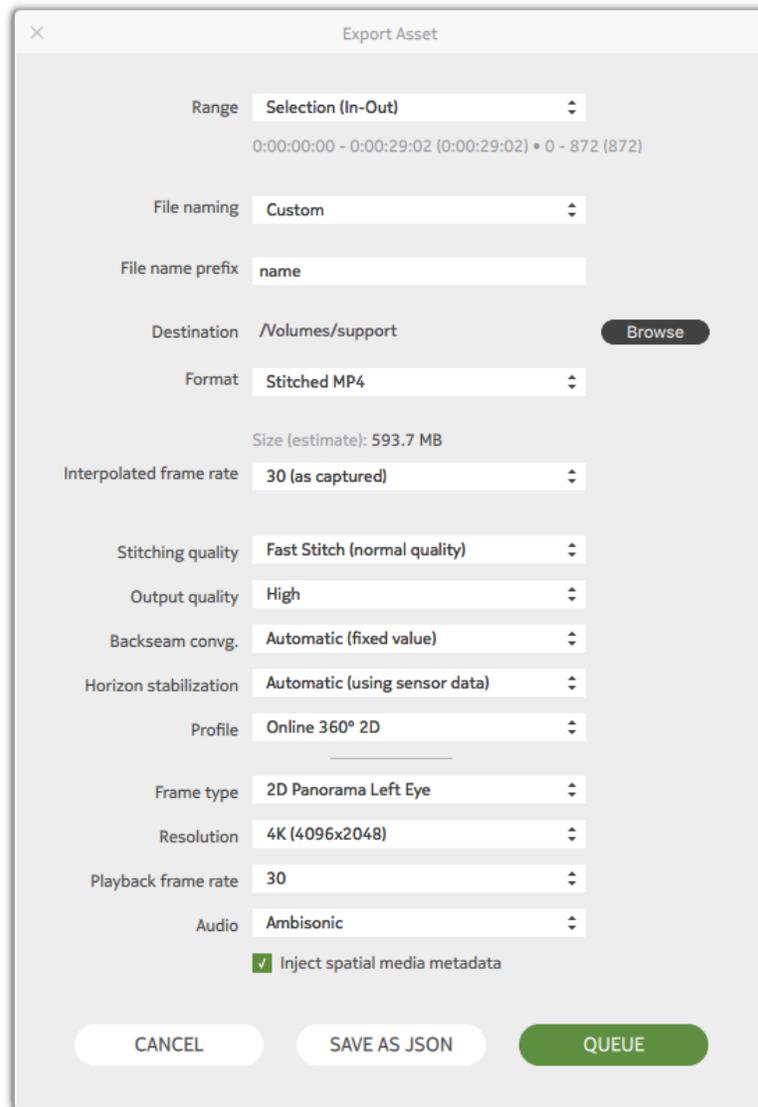
The screenshot shows the 'Export Asset' dialog box with the following settings:

- Range: Selection (In-Out) (0:00:00:00 - 0:00:29:02 (0:00:29:02) * 0 - 872 (872))
- File naming: Custom
- File name prefix: name
- Destination: /Volumes/support (with a 'Browse' button)
- Format: Stitched MP4
- Size (estimate): 1.2 GB
- Interpolated frame rate: 30 (as captured)
- Stitching quality: Fast Stitch (normal quality)
- Output quality: High
- Backseam convg.: Automatic (fixed value)
- Horizon stabilization: Automatic (using sensor data)
- Profile: Online 360° 3D
- Frame type: 3D Panorama (monoscopic poles)
- Frame packing: Top-bottom (double height)
- Resolution: 4K (4096x4096) (with a note: Higher resolution videos are not supported by all applications/decoders.)
- Playback frame rate: 30
- Audio: Ambisonic
- Inject spatial media metadata

At the bottom, there are three buttons: CANCEL, SAVE AS JSON, and QUEUE.

Export Asset window showing stereoscopic settings

Here is an example of the settings used to export a monoscopic file.



The 'Export Asset' dialog box displays the following settings:

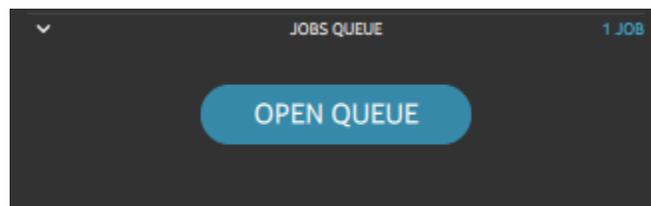
- Range: Selection (In-Out) (0:00:00:00 - 0:00:29:02 (0:00:29:02) * 0 - 872 (872))
- File naming: Custom
- File name prefix: name
- Destination: /Volumes/support (with a 'Browse' button)
- Format: Stitched MP4
- Size (estimate): 593.7 MB
- Interpolated frame rate: 30 (as captured)
- Stitching quality: Fast Stitch (normal quality)
- Output quality: High
- Backseam convg.: Automatic (fixed value)
- Horizon stabilization: Automatic (using sensor data)
- Profile: Online 360° 2D
- Frame type: 2D Panorama Left Eye
- Resolution: 4K (4096x2048)
- Playback frame rate: 30
- Audio: Ambisonic
- Inject spatial media metadata

Buttons at the bottom: CANCEL, SAVE AS JSON, and QUEUE.

Export Asset window showing monoscopic settings

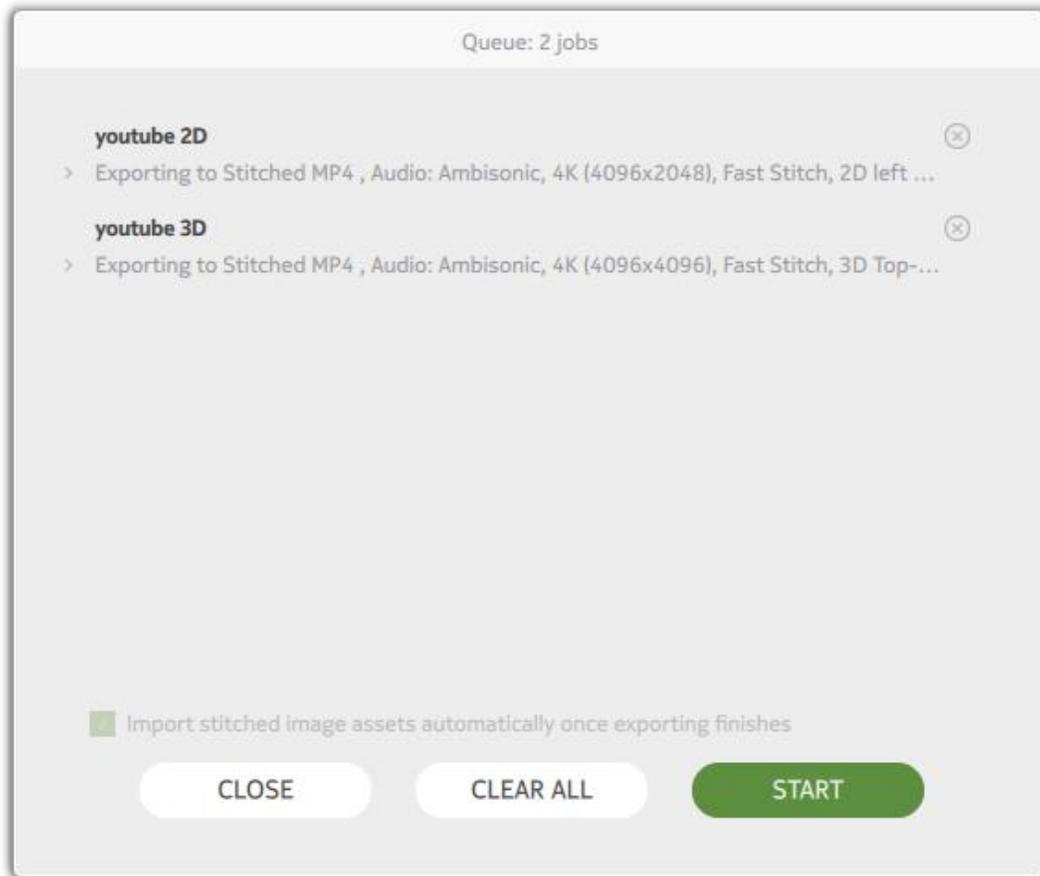
After choosing the appropriate settings, click **QUEUE**.

3. Click on the **OPEN QUEUE** button and click **START**.



Open Queue panel in Creator UI

4. Click **START**.



Job Queue window

OZO Creator will begin the process of creating the stitched mp4 file by providing a progress bar and status update.

5. Once the export is completed, click **CLOSE**.
6. Once completed, you can upload the encoded file to YouTube. Please note that the filename will end with the following:
 - **_metainjected_M.mp4** - for monoscopic files
 - **_metainjected_TB.mp4** – for stereoscopic files

Please note that you may need to adjust the resolution settings in the YouTube player to match the resolution of your mp4 file.

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