



**If you would like to submit your content to us, please note that it must meet the following technical requirements**

Our design recommendations / general terms and conditions

**1 Description**

Only circular “Content” (i.e., square source frames) are accepted. The circle contains the projected image. The geometry of the “Content” must meet the following conditions: The area not occupied by the image circle (active pixel area) should be black (except for timecode, frame number, and show name), and the text with the show name, timecode, and frame number should be displayed in the upper-left corner, with the show name in the opposite corner.

- A The “Safe Action” area covers approximately  $\pm 50^\circ$  of longitude (measured from the front/center of the dome) and  $10^\circ$  to  $60^\circ$  of latitude
- B The nominal camera tilt is  $15^\circ$  on the great circle (relative to the reference frame)
- C Recommended file formats: lossless files with sequential numbers – e.g., PNG, TARGA with RLE compression, or other sequential files – e.g., JPEG at the highest quality
- D Recommended file name format–e.g., “Name\_000001.jpg”
- E Recommended folder name format–e.g., “FileName\_000001\_010,000”
- F Color depth–e.g., 8, 10, or 12 bits per color
- F The frame size must be square, with standard diagonal resolutions: 1024 x 1024, 1536 x 1536, 2048 x 2048, 3200 x 3200, 3600 x 3600, 4096 x 4096
- G Recommended frames per second (FPS) - 30 fps. Other FPS values: 24 fps, 25 fps, 29.97 fps, 30 fps, 48 fps, 59.94 fps, 60 fps. Please clearly indicate the number of frames per second

**2 Image**

Format

A circular image in a square frame (fisheye rendering)

Resolution

The recommended resolution is 4096 x 4096 pixels, but lower resolutions are also accepted

**3 File format**

Images

Lossless formats such as PNG, TARGA (TGA) or TIFF

Compression

Files must be losslessly compressed

**4 Audio**

Format

Stereo or surround sound (5.1 or 7.1)

File format

WAV or AIFF

Synchronization

The audio must be synchronized with the video

**5 File delivery**

Storage Media

Files should be submitted on USB drives formatted with the NTFS file system

Labeling

Drives must be labeled with detailed information about their contents, including the project name, file format, resolution and audio specifications

**6 Other requirements**

Metadata

Each file should include appropriate metadata describing its content

Testing

We recommend testing the files on the target display system to ensure that everything works properly

**Configuration example**

**Short film**

Resolution 2048 x 2048 px

Format PNG file  
stereo audio in WAV

**Feature-length film**

Resolution 4096 x 4096 px

Format TARGA file  
5.1 surround sound in AIFF

