

AVALON-HOLLYWOOD VIDEO SPECIFICATIONS

MAIN ROOM

The main room has 4 fixed screens on both the left and right walls (1-4 & 10-13), each side being part of a mapped output as shown in the pixel map.

There are 5 fixed screens over the Stage, the main screen (7) and two pairs of wings (5,9 & 6,8) that can be independently flown in/out. The wings are included in their corresponding sides video output along with the wall screens as shown in the pixel map. The main screen resolution 4k (3840*2160) usable.

There is one portable screen (14) that is used within the dynamic stage package and is mapped on the left side input. Configuration of this screen is subject to change.

Please refer to the LED pixel map for exact screen locations, detailed resolutions and mapping for content creation. Screen size can be determined by multiplying the pixel count by the pitch (mm)

All the video in the main room is mapped onto 3 separate outputs, The main Led screen (7) is fed by an independent 4k output from our servers. The remaining screens are fed via two 1080p (1920x1080) Outputs from our servers, split for the left and right sides from the main screen. Screens 1-6 & 14 are fed from the left side, Screens 8-13 are fed from the right side.

HDMI or DVI can be accepted directly to the three detailed Outputs at the mentioned resolutions, please refer to the pixel map for screen positions within those outputs. Alternate control of all the screens is possible by sending a 4K signal made up of 4 1920*1080 feeds. The Main screen would be upscaled by the in-house processor.

House Video control consists of 2 Video servers (Primary/Backup) running Resolume 7. The room is mapped over a single 7680*2160 space. A single image/video can be displayed over the entire video space. Also, Multiple Videos/Images can be displayed at any location, at any size/scale. Servers each have 1*12G SDI input and output available for capture and send capabilities. A single 12G SDI Line is available on the stage, FOH and front balcony locations that can be used for send or receive. 4 additional 3G SDI lines are available from the stage to the house video servers. There are 2*12G SDI to HDMI Cross converters available.

The preferred content formats are: DXV3 Codec in a .MOV container. This Resolume proprietary Codec is available at Resolume.com. Other full frame codecs like Apple ProRes and Mjpeg work fine also. For Images, PNG is preferred to preserve Alpha layers but JPEG is also fine.

For Video embedded with audio, the servers connect directly to the in-house sound systems to avoid unnecessary AD/DA conversions.

Any other format can mostly be converted in House if needed but please consider the time required to do so, and that results may vary!

LOBBY and EXTERIOR.

The lobby Screen and Poster Screen located by the Box Office are fed Via a separate Resolume Video server located in the Lobby. There are Three Exterior Poster displays in total, the other two are controlled via embedded Media Players

These Media Players accept all popular Image formats and MP4 Video.

The Marquee consists of three screens that are controlled via another Resolume Server located in the Control Booth.

SCREEN RESOLUTIONS:

Shown as Width * Height (pixels) @ LED dot pitch. DPI is irrelevant

Please refer to Pixel Map for exact Screen Locations.

MAIN ROOM

OUTPUT 1 (House Left)

House Left Wall

Screen 1 – 320 * 576 @ 6mm

Screen 2 – 320 * 576 @ 6mm

Screen 3 – 320 * 768 @ 6mm

Screen 4 – 320 * 768 @ 6mm

House Left Stage

Screen 5 – 192 * 576 @ 6mm

Screen 6 – 192 * 576 @ 6mm

Additional

Screen 14 – 864 * 96 @ 6mm

(Subject to change/availability)

OUTPUT 2 (Main center Screen)

Screen 7 – 3840 * 2160 @ 1.875mm

OUTPUT 3 (House Right)

House Right Stage

Screen 8 – 192 * 576 @ 6mm

Screen 9 – 192 * 576 @ 6mm

House Right Wall

Screen 10 – 320 * 768 @ 6mm

Screen 11 – 320 * 768 @ 6mm

Screen 12 – 320 * 576 @ 6mm

Screen 13 – 320 * 576 @ 6mm

LOBBY

Lobby Screen – 2048 * 768 @ 2.5mm

EXTERIOR

Poster Boxes – 384 * 640 @ 2.5mm

Marquee

Left & Right Screens – 160 * 320 @ 6mm

Center Screen – 320 * 320 @ 6mm