



Full Dome display systems offer experiential immersion for the audience, surrounding them with rich imagery and sound. Delta Media Server has an inherent full dome mode in which media is placed intuitively around the screen in azimuth / elevation. Virtual projectors are then placed where the real projectors are located, providing automatic geometric correction, but additional comprehensive point and polynomial distortion correction, colour adjustment and edge blending is also available for fine picture tuning.

Delta's dome mode is ideal for full dome planetaria and many live events customers also use a single Delta server to drive 4, 5 or 6 projectors inside or outside inflatable spherical screens. Shows can be created "near to show" using our multiple layers and effects, mixing live feeds with uncompressed video and audio right up until show time and built-in realtime interactivity provides excellent flexibility during presenter-led demonstrations

Full Dome Features

Delta incorporates many benefits for full domes:

- Place projectors exactly where real projectors are located
- Place content around the screen surface in a natural way
- Any visual media can be set to Flat, Fisheye, Panoramic or Channel Mapped
- Full video genlock is available, essential for fast moving content on overlapped projected images.
- Multiple outputs allow a whole 6-projector dome to be served from a single Delta PC.
- Full polynomial and point distortion for each projector provides excellent matching.
- Record out from Delta to convert Fisheye content to per-projector movies for distribution & preview
- Mono or Stereo 3D modes supported.
- Inside or Outside screen projection mode
- Full SMPTE chase or master

Delta Features

Standard Delta includes:

- Uncompressed Movie Playback
- HD, 4k and Beyond media resolution
- Mixed Media (Movies, Images, Audio, Effects)
- Realtime Warp & Blend
- Multiple layers with effects
- Overlap and Underlap creation
- Multiple graphics outputs per server
- Multi-rack synchronisation
- Full External Control / API

Options include:

Active and Passive stereo 3D output

- Polarised, Shutter Glasses, ColorCode, Anaglyph

Live Video inputs

- sVideo, VGA, DVI, HDMI, HDSDI

High Bit Depth

- Dual Input for JVC, DPI, Christie, Barco

Full Dome Delta Mode

- 3D media and virtual projector placement

Encrypted Movies

- Time & venue limited movie playback