

# PROTON

Delta Media Server



- With real-time warp and blend features, camera-based auto-alignment options, support for up to 4 projectors per server and full genlock, the Proton is ideal for 3D interactive mesh mode, pixel mapping and live capture.

Proton is capable of playing 4 × HD/WUXGA/2K of uncompressed playback at 60 fps in 4:4:4.

### Performance

- TGA or DPX native standard file format playback
- Supports up to 4 × HD/WUXGA/2K projectors from one server
- Up to 4096 × 2160 60 fps in 4:4:4 / 4 × 2K 60 fps in 4:4:4 all in uncompressed playback
- Frame-based movie sequence and timeline workflow

### Display Matching

- Flat, curved, 3D mesh screen shapes plus passive or active stereo 3D
- Real-time warp and blend
- Camera-based auto-alignment (third-party providers)
- Pixel-accurate synchronisation including full video genlock between servers
- 3D interactive mesh mode with multiple eye-points and meshes for object / building mapping
- Overlap and underlap creation

### Interactivity and Control

- Multiple timeline capability and reserve (emergency) timeline
- ASCII text-based external control via TCP/UDP/RS232\*, plus internal macro scripting and Art-Net™/DMX\* command value mapping
- User creation and customisation of simple web-based interface
- Remote preview of any server's playback output

\* Optional features may be dependent on available hardware interface in the Delta Media Server model and licence(s) purchased

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Specifications	
Video output	2 × 3G-SDI outputs or 4 × DisplayPort™ /DVI® / HDMI® outputs with live EDID spoofing
Audio output	8 channels unbalanced (4 × 3.5 mm TRS mini jacks) options for 8 channels balanced outputs, Dante® Virtual Soundcard
Storage	up to 14.4 TB internal SSD
Live capture options	2 × SDI or DisplayPort, or 2 × DVI, or 1 × HDMI
Networking	Gigabit Ethernet over 1 × RJ45 port
Front panel control	health status plus control over playback
External control	Web control over EDID, playback plus user-created control web pages
Backup	Backup media storage (spindle-based) option available Backup OS or RAID 1 OS optionally available
Dimensions	2RU: 89 × 483 × 545 mm (H × W × D)
Weight	11 kg
Power supply	110 VAC-220 VAC, 1.5-0.8 A (typical)
Power	165 W
BTU rate	564

Technical specifications are subject to change without prior notice. Please check [www.7thsense.one](http://www.7thsense.one) for the latest information.

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