

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

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.



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 ArtNet/DMX* command value mapping
- User creation and customisation of simple web-based interface
- Remote preview of any server's playback output

Technical Specification

- Video output: 2 × 3G-SDI outputs or 4 × DP /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 health status plus control over playback
- Web control over EDID, playback plus user-created control web pages
- Backup media storage (spindle-based) option available
- Backup OS or RAID 1 OS optionally available
- Dimensions: 89 x 483 x 545 mm (H x W x D)
- Weight: 11 kg
- Power supply: 110 VAC-220 VAC, 1.5-0.8 A (typical)
- Power: 165 W
- BTU rate: 564