Infinity pushes performance level to a new high. Our flagship server now has the option to be fitted with the latest NVMe disk technology to deliver these benefits:

- Fully uncompressed high bit-depth media playback at 8K × 4K 60p 10-bit from a single server.
- 4-disk architecture.
- HDR and HFR ready.
- Complete disk redundancy option available.
- Raid7th (Patent Pending) ensures uninterrupted playback during disk failure, coupled with live hot-swap and automated data regeneration architecture.

Infinity servers are at the cutting-edge in uncompressed media-serving, offering passive and active stereo 3D, a full range of display-matching, interactivity and control features, as well as the potential for many video/audio outputs and huge internal/external storage capability. As our most powerful media server, Infinity has a vast range of hardware and software options, designed to meet the demands of some of the most prestigious displays in the world.

Performance

- Ultra HD/4K/8K uncompressed playback
- Up to 8192 × 2160 120 fps, 16384 × 2160 60 fps or 8192 × 4320 60 fps uncompressed playback up to 6.5 GB/s
- Supports 1, 2, 3, 4 or 8 × 4K projectors from 1 server
- Fast workflow: copy on full resolution media and play immediately
- TGA or DPX native standard file format playback
- High bit-depth capable

Interactivity and Control

- Multi-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
- Browser-based interface for:
  - backup and restore
  - confidence monitoring
  - system-level status

Display Matching

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

Technical Specification

- Video output: 16 × HD-SDI outputs or 8 × 3G-SDI or 4, 6, 8, 12 × DP / DVI outputs with live EDID spoofing
- Option of 12G-SDI (coax or SFP)
- Audio output: 32 channels per server. 8 × unbalanced analog (4 × 3.5 mm TRS mini jacks) *or* 8 channels balanced analog outputs, 16 channels CobraNet, 64 channels Dante, 16 channels AES
- Internal storage: up to 128 TB SSD
- Live capture options offer many 3G-SDI, HD-SDI, DisplayPort or DVI or HDMI inputs (dual or single, slot dependent)
- Networking: Gigabit Ethernet over 2 × RJ45 port, option for 10 G
- 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 3RU: 133 x 483 x 603 mm (H x W x D)
- Weight: 21 kg
- Power supply: 110 VAC-220 VAC, 2.7-1.4 A (typical)
- Power: 300 W
- BTU rate: 1024