

Avid AirSpeed

HANDLE MEDIA QUICKLY AND RELIABLY WITH AFFORDABLE, VERSATILE VIDEO SERVERS

The Avid AirSpeed™ is a completely fresh approach to the video server concept. Equally adept at ingest or playback tasks, it sets a benchmark in nonlinear workflow integration, while providing a familiar, VTR-like interface for operations personnel. With AirSpeed, high-speed acquisition of material into an Avid Unity™ shared media network is a snap – making it available immediately to journalists and editors. It also offers flexible dual-channel DV25, DV50 and IMX50* playout capability for significant time savings at each end of your nonlinear workflow. Its compact, modular 3RU form factor and solid-state design reduce space, maintenance, and power costs while integrating easily with existing equipment, applications, and processes.

Multiple Avid AirSpeed servers can be connected to an Avid Unity MediaNetwork system – up to ten feeds in a single Fibre Channel port – letting all attached editors access any media simultaneously just seconds after recording begins. For multiple channel, high redundancy playout, up to five units can be grouped together in a “Studio” arrangement, functioning as a single logical server. The AirSpeed system can be operated using standard VTR control protocols, remotely or locally programmed via its built-in 5.5” (14cm) LCD front display and operated like a VTR using the front panel controls and jog/shuttle knob.

- o Ingest DV25, DV50, and IMX50* media directly into Avid Unity systems.
- o Playback two media streams per AirSpeed, or combine them in high-availability Studios with up to 10 channels each
- o The compact 3RU form factor saves valuable machine room space, yet stores up to 24 hours of DV25 media
- o AirSpeed can be controlled by Avid Capture Manager and many third-party automation systems that use standard VTR protocols, and those already implementing the PAPI interface.

*IMX 30/40 media capability planned for 2004.



- o RELIABLE o AFFORDABLE o FAST
- o SPACE SAVING o STRAIGHTFORWARD OPERATION

Avid AirSpeed

SYSTEM SPECIFICATIONS*

Record

- 1 channel DV25, DV50, IMX50

Playback

- 2 channels DV25, DV50, IMX50

Internal Storage

- 144GB (4 x 36 GB) hard disk; approx. 10 hours DV25

Video Input

SDI Video In

- SMPTE 259M
- 525/60 NTSC or 625/50 PAL
- Video scan/color standard switchable in software

Video Output

Gbit Ethernet

- Auto Negotiate
- Full-Duplex Capable
- RJ-45 Standard Interface

SDI Video Out

- SMPTE 259M
- 525/60 NTSC or 625/50 PAL
- Video scan/color standard switchable in software

Video Monitoring

Local

- 5.5 inch/14cm LCD, 2 channel selectable

Component Video Out

- Y, Cr, Cb
- Y Composite signal 1v pp, negative sync
- Cr, Cb 0.7v pp NTSC
- Cr, Cb 0.525v pp PAL

Composite Video Out (Super)

(Status character keyed over input video)

- 1v pp, positive, terminated at 75 ohms
- 525/60 NTSC, NTSC-J, or 625/50 PAL mode
- Video scan/color standard switchable in software

Audio Input

Digital Audio In 8 Channels

- External Audio AES/EBU (48KHz, 16/24Bit)
- Embedded Audio (SMPTE 272M-AB)

Audio Output

Digital Audio Out 8 Channels

- External Audio AES/EBU (48KHz, 16/24 Bit)
- Embedded Audio (SMPTE 272M-A)

Audio Monitoring

Local Analog

- 1/4" Phone headphone stereo output and level control
- 0dBu Nominal with 12dB headroom, low impedance
- 1-2, 3-4, 5-6, 7-8 channel selectable

Remote Analog

- DB25 F type connector
- 2Volt P-P, 300 Ohm

Data Interface

- Ethernet 10/100/Gbit connectivity
- Auto Negotiate
- Full-Duplex Capable
- RJ-45 Standard Interface

Timecode

LTC In

- XLR x1
- 0.5 to 18v pp, 10K Ohm

LTC Out

- XLR x2
- 2.2v pp, unbalanced, into a 600-ohm load
- Low impedance

Status and Control Ethernet Port

- 10/100 Base-T 1/F

Control I/O

- 2 RS-232 ports for remote control

Power

- 100 – 240 VAC 50/60 Hz
- 470 Watts

Environmental

- Room temperature: Max +104°F (40°C)
- Operating humidity: 5% – 90% non-condensing

Compliance

- Pending

Dimensions

- Height: 5.25 inch (133 mm) = 3U
- Width (faceplate) 19.0 inch (48.3 cm)
- Width (rack space) 17.5 inch (44.5 cm)
- Depth 24.0 inch (61.0 cm)
- Weight 30 lb (13.6 kg)

Front-Panel Controls

- Record, play, stop, fast forward, reverse, mark in, mark out, jog, shuttle, 5.5" LCD, video selector switch, audio selector switch, headphone level control, stereo headphone jack, 8 digital audio level control and 8 digital audio output level LED array

Rear-Panel Connections

- Gbit Ethernet: 1 RJ45
- SDI in: 1 BNC
- SDI out: 2 BNC
- Audio in: 4 BNC
- Audio out: 4 BNC
- Video monitor Component: 1 BNC
- Video monitor Composite: (Y R-Y B-Y)
- Audio monitor: DB25 F
- SMPTE: 1 BNC
- LTC in: 1 XLR
- LTC out: 2 XLR
- Remote control: 2 DB9
- Keyboard and mouse: PS2 type
- Power socket

*Preliminary

Note: Product specifications subject to change without notice

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