



SDI CAPTURE



The mxfsPEEDRAIL S1000 is a powerful and flexible multi-format SDI recording system that can not only fulfill the capture requirement of baseband signals, but also supports innovative capabilities such as scheduled capture, live-feeds recording, optional fallback storage, multi-camera control, edit while capture and remote monitoring through a web browser.

EDITWHILE CAPTURE

The mxfsPEEDRAIL S1000 enables to start capturing a videotape or video feed and then open the new clip into a NLE timeline while the underlying files are still growing. The system supports Edit While Capture for MXF, Avid and QuickTime formats and even enables a simultaneously capture into 2 of these formats, from a single SD or HD input.

MULTI-CAMERA MANAGEMENT

With Gang Control capabilities, the mxfsPEEDRAIL S1000 increases shooting and editing productivity by reducing the complexity on multi-camera environments and the need for extra automation systems. These features mean that one S1000 is able to fully control several input feeds at the same time, also enabling the application of metadata to all the controlled systems.

BUILT-IN VTR CONTROLLER AND SCHEDULING ENGINE

mxfsPEEDRAIL S1000 makes batch capturing tape assets a simple task, due to its frame accuracy and built-in VTR controller, and the scheduling engine takes care of capturing one-off and recurring feeds at any time and date.

MULTIPLE DESTINATIONS AND FLEXIBILITY

The system generates MXF, Avid and Quicktime files simultaneously, making it a perfect fit for complex workflows. Delivered in compact units, the S1000 is fully scalable, allowing unlimited expansion. Its optional fallback storage, increases confidence and efficiency in the overall production environment.

USER INTERFACE



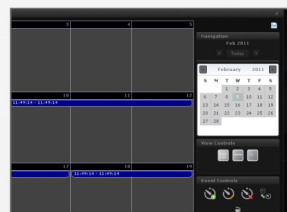
Remote Web Interface with Video Monitor



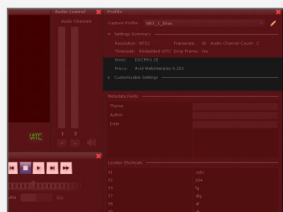
Video Monitor



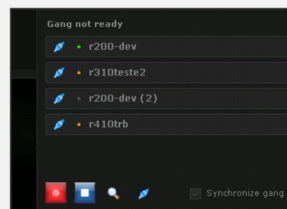
VTR Controller



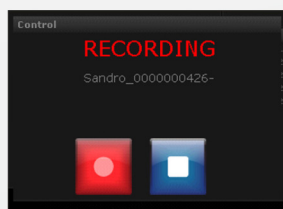
Scheduler



Layout Editor



Gang Control



Record Control

FORMATS

HIGH RESOLUTION VIDEO CODEC

- Support for 23.98, 50 and 59.94 Hz systems (8 or 10 bits)
- XDCAM™ - IMX (30,40,50 Mbps)
- XDCAM™ HD - MPEG2 420 (18, 25, 35 Mbps), 422 (50Mbps)
- DVCAM SD (25Mbps)
- DVCPRO SD (25 and 50 Mbps)
- DVCPRO HD (100 Mbps)
- DNxHD® (36, 45, 120,145,175, 185,220 Mbps)
- AVC-I (50 and 100 Mbps)
- ProRes 422

AUDIO

- PCM (16 or 24 bits @ 48KHz)
- Audio monitoring and VU meter
- Up to 16 channels of embedded audio (SMPTE 272M / SMPTE 299M)
- Stereo Audio Support

WRAPPERS

- MXF OP1a (SONY Compatible)
- MXF OPAtom (Avid native)
- Quicktime (.mov for Final Cut Pro)

MULTI-RESOLUTION

INPUTS

- SDI (SMPTE 259M)
- HD-SDI (SMPTE 259M / SMPTE 292M)

OUTPUTS

- 1 or 2 full resolution clips per channel
- 1 or 2 proxy resolution clips per channel

PROXY ENCODING

- Avid™ MPEG2 (SIF - Source Input Format @ 2Mbps)
- MPEG4 part 2 (SIF @ 2Mbps)
- H.263 (Web Interplay)
- H.264 (Web Interplay)

TIMECODE

- LTC (SMPTE 12M)
- VITC (SMPTE Rp188)
- Time of day
- From VTR (BVW)

METADATA

- User Defined Metadata Templates with Unicode Support
- Real time Metadata, by setting user-defined locators
- Avid specific metadata fields (e.g. tape or annotation)
- Closed Caption VANC - SMPTE 436M

ASSET MANAGEMENT

- Avid Interplay™ Checkin via Interplay Web Services
- AAF Output for Standalone Avid Editors
- XML metadata output for non-avid workflows
- Multiple metadata deliveries per destination

CAPTURE MODES

- Crash Record using local interface, web browser or BVW / VDCP
- Scheduled capture based on time-of-day
- Online and Offline VTR Batch Capture

CONTROL

- BVW/VDCP Protocol Support
- VTR Control (BVW)
- Remote web based interface
- Local user interface
- SOAP interface (web services)
- Gang Channel Control (with automatic neighbor detection)

SUPPORTED STORAGE

- Avid Unity™ MediaNetwork
- Avid Unity™ ISIS
- Omneon MediaGrid
- Any generic shared storage
- Removable e-SATA drives