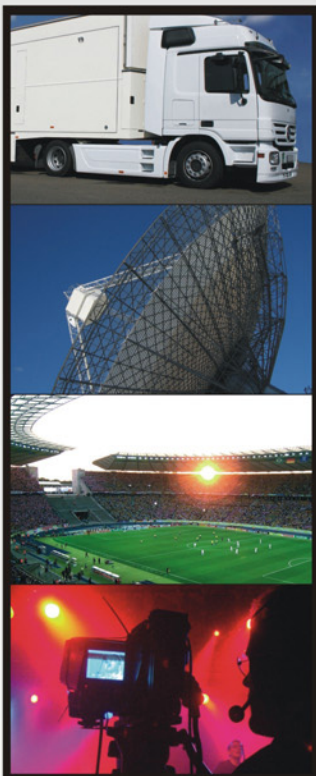


SD / HD-SDI RECORDER

mxfsPEEDRAIL S1000 is a powerful and flexible multi-format SDI recording system. Affordable and simple to use, it captures material directly into shared media storage, making it ready for editing even during recording..



3 & 6 CHANNELS



■ MULTI-CHANNEL and MULTI-DESTINATION

In order to offer unparalleled reliability in compact units and unlimited expansion, mxfsPEEDRAIL is available in a 3 or 6 channel system. Plus, its ability to write clips to multiple destinations at the same time means extra flexibility, more capacity and additional redundancy, while the built-in fallback system is a perfect fit for critical workflows.

■ MULTI-FORMAT and MULTI-RESOLUTION

mxfsPEEDRAIL can encode in all major broadcast formats, while leveraging multi-resolution workflows by simultaneously generating hi-res and proxy versions of the incoming material. And to facilitate a simple integration in any workflow, it can create MXF, Avid and QuickTime wrappers at the same time.

■ EDIT-WHILE-CAPTURE with LOGGING METADATA

The Edit-While-Capture feature is a boon for today's production processes, as clips can be worked on right away with Avid or Final Cut Pro, even while mxfsPEEDRAIL is still recording. And more, to ease the proper identification of material, saving time and money, mxfsPEEDRAIL comes with a flexible, practical and powerful annotation engine.


■ MANAGEMENT and AUTOMATION

Monitoring and configuration is stress-free, either using the local or the web-based GUI, which means a simple browser can be used anywhere on the network. And the S1000 plays nicely with your asset management and automation systems by means of its SOAP and BVW/VDPC interfaces. Then again, for simpler applications, its monitoring, scheduling and «gang control» features mitigate the need for extra automation systems.

■ BATCH CAPTURE & SCHEDULING

mxfsPEEDRAIL 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.

USER INTERFACE



- Video Monitor
- Remote Web Video Monitor
- Layout Editor
- Timecode Display
- Gang Control
- Record Control
- VTR Control
- Audio VU-Meter
- Finger-Friendly
- User-Defined Profiles
- Settings Menu
- Dual-Channel Mode
- Authentication

FORMATS

HIGH RESOLUTION VIDEO CODEC

- | Support for 50 and 59.94 Hz systems
- | XDCAM™ - IMX (30, 40, 50 Mbps)
- | XDCAM™ HD - MPEG2 4:2:0 (18, 25, 35 Mbps), 4:2:2 (50Mbps)
- | DVCAM SD (25 Mbps)
- | DVCPRO SD (25 and 50 Mbps)
- | DVCPRO HD (100 Mbps)
- | DNxHD® (120, 145, 185, 220 Mbps)
- | AVC-I (50 and 100 Mbps)

AUDIO

- | PCM (24 bits @ 48KHz)
- | Audio monitoring and VU meter
- | Up to 12 channels of embedded audio (SMPTE 272M / SMPTE 299M) - S10xx models
- | Up to 8 channels of embedded audio (SMPTE 272M / SMPTE 299M) - S11xx models

WRAPPERS

- | MXF Op1a (Sony-compatible)
- | MXF OPAtom (Avid native)
- | QuickTime (.mov for Final Cut Pro)

MAIN FEATURES

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 VIDEO FORMAT

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

TIMECODE

- | LTC (SMPTE 12M)
- | VITC (SMPTE RP188)
- | Time of day
- | From VTR (BVW)

METADATA

- | User defined metadata templates
- | On the fly locators / real-time metadata
- | Avid specific metadata fields (e.g. Title or Annotation)
- | Closed Caption VANC - SMPTE 436M

CAPTURE MODES

- | Crash record using local interface, web browser or BVW/VDCC
- | Scheduled capture based on time-of-day
- | Online and offline VTR batch capture

CONTROL

- | Controllable using BVW/VDCC
- | VTR control (BVW)
- | Remote web-based interface
- | Local user interface
- | SOAP interface (web services)
- | Gang channel control (with automatic detection of neighbors)

ASSET MANAGEMENT

- | Avid Interplay™ checkin via Interplay Web Services
- | AAF output for standalone Avid editors
- | XML metadata output for non-Avid workflows
- | Multiple metadata export and check-in to MAM per channel

SUPPORTED STORAGE




- | Avid Unity™ MediaNetwork
- | Avid Unity™ ISIS
- | Omneon MediaGrid™
- | Any Generic Shared Storage (SAN, NAS)
- | Removable e-SATA drives



SDI RECORDER



mxfSPEEDRAIL ENVIRONMENTS

STUDIO RECORDER - S1000 series High Performance and high availability system



- | Multi-format and multi-wrapper
- | Multi-resolution, easing multi-camera operations
- | Record into any kind of shared storage
- | Edit-while-capture, both in Avid and Final Cut Pro
- | Channel count expandable to any configuration
- | Up-to 4 simultaneous formats per channel, both as .mov and .mxf
- | Gang control for multi-camera recordings
- | User-defined program metadata and event driven metadata (locators)




OB RECORDER - S1100 series Standard Performance system

- | OB with immediate highlights through edit-while-capture on NLE
- | Control and monitoring using just a web-browser
- | Optional e-SATA storage for extra reliability and flexibility
- | Finger-friendly interface for touch-screen operation
- | Compact design, perfect for space/weight sensitive installations
- | Preview and monitoring of video and audio, including VU meter
- | Frame-accurate offline batch capture

SDI RECORDER - S101x and S111x series Specific formats / wrappers system

- | Output of MXF OP1a, Avid OPAtom or QuickTime (.mov)
- | Cost-effective models for specific formats
- | Multi-resolution workflows with real-time proxy generation
- | Up to 4 destinations per channel, with independent wrappers and resolutions
- | Built-in VTR controller for batch capture
- | Easy integration with MAM and Automation systems
- | Optional check-in of media and metadata into Avid Interplay

	Avid editors (MXF OPAtom)	OP1a (MXF)	Final Cut Pro (MOV)
Panasonic DVCPRO (25,50 Mbps) DV CAM	S520 DV / S1010 DV.SD S1110 DV.SD / S1120 DV.SD	S521 DV / S1011 DV.SD S1111 DV.SD / S1121 DV.SD	S523 DV / S1013DV.SD S1113 DV.SD / S1123 DV.SD
	S1010 AV.HD / S1110 AV.HD	S1011 AV.HD / S1111 AV.HD	S1013 AV.HD / S1113 AV.HD
	S522 DV / S1012 DV.SD / S1112 DV.SD / S1122 DV.SD		
	S1012 AV.HD / S1112 AV.HD		
Panasonic DVCPRO HD (25,50,100 Mbps)	S1010 DV.HD / S1110 DV.HD S1120 DV.HD	S1011 DV.HD / S1111 DV.HD S1121 DV.HD	S1013 DV.HD / S1113 DV.HD S1123 DV.HD
	S1012 DV.HD / S1112 DV.HD / S1122 DV.HD		
AVC - Intra	S1010 AV.HD / S1110 AV.HD	S1011 AV.HD / S1111 AV.HD	S1013 AV.HD / S1113 AV.HD
	S1012 AV.HD / S1112 AV.HD		
Sony XDCAM IMX (30,40,50 Mbps)	S1010 XD.SD / S1110 XD.SD S1120 XD.SD	S1011 XD.SD / S1111 XD.SD S1121 XD.SD	S1013 XD.SD / S1113 XD.SD S1123 XD.SD
	S1010 DN.HD / S1110 DN.HD	S1011 DN.HD / S1111 DN.HD	S1013 DN.HD / S1113 DN.HD
	S1012 XD.SD / S1112 XD.SD / S1122 XD.SD		
	S1012 DN.HD / S1112 DN.HD		
	Dual Channel (per box)		
	S520 XD / S1020 XD.SD	S521 XD / S1021 XD.SD	S523 XD / S1023 XD.SD
S522 XD / S1022 XD.SD			
Sony XDCAM HD MPEG2 420 (18, 25, 35 Mbps), 422 (50Mbps)	S1010 XD.HD / S1110 XD.HD S1120 XD.HD	S1011 XD.HD / S1111 XD.HD S1121 XD.HD	S1013 XD.HD / S1113 XD.HD S1123 XD.HD
	S1012 XD.HD / S1112 XD.HD / S1122 XD.HD		
	Dual Channel (per box)		
	S1020 XD.HD	S1021 XD.HD	S1023 XD.HD
	S1022 XD.HD		
DNxHD	S1010 DN.HD / S1110 DN.HD	S1011 DN.HD / S1111 DN.HD	S1013 DN.HD / S1113 DN.HD
	S1012 DN.HD / S1112 DN.HD		



SDI RECORDER

mxfsPEEDRAIL MODELS

	S5xx	S10xx	S102x	S111x	S112x
INPUTS					
1 or 3 channel SDI (SMPTE 259M)	XD models DV models	XD.SD models DV.SD models		XD.SD models DV.SD models	
1 or 3 channel HD-SDI (SMPTE 259M / SMPTE 292M)		XD.HD models DV.HD models DN.HD models		XD.HD models DV.HD models DN.HD models	
2 or 6 channels SDI (SMPTE 259M)	XD models		XD.SD models		XD.SD models
2 or 6 channels HD-SDI (SMPTE 259M / SMPTE 292M)			XD.HD models		XD.HD models
AUDIO					
Number of embedded audio channels	8	12	12	8	8
TIMECODE					
LTC (SMPTE 12M)	✓	✓	✓	✓	✓
VITC (SMPTE RP188)	✓	✓	✓	✓	✓
Time of day	✓	✓	✓	✓	✓
From VTR (BVW)	✓	✓	✓	✓	✓
FORMATS					
Support for 50 and 59.94 Hz systems	✓	✓	✓	✓	✓
SD IMX (30, 40, 50 Mbps)	XD models	XD.SD models	XD.SD models	XD.SD models	XD.SD models
Sony XDCAM™ HD - MPEG2 4:2:0 (18,25,35) and 4:2:2 (50Mbps)	XD models	XD.HD models	XD.SD models	XD.HD models	XD.HD models
DVCAM SD (25 Mbps)	DV models	DV.SD models	DV.SD models	DV.SD models	DV.SD models
DVCPRO SD (25 and 50 Mbps)	DV models	DV.SD models	DV.SD models	DV.SD models	DV.SD models
DVCPRO HD (100 Mbps)		DV.HD models	DV.HD models	DV.HD models	DV.HD models
AVC-I (50 and 100 Mbps)		AV.HD models	AV.HD models	AV.HD models	
Avid DNxHD® (120, 145, 185, 220 Mbps)		DN.HD models	DN.HD models	DN.HD models	
OUTPUTS					
Proxy resolution file creation	Optional	Optional	Optional	Optional	Optional
Full resolution file creation	✓	✓	✓	✓	✓
PROXY VIDEO					
Avid MPEG2 (SIF @ 2Mbps)	Optional (S520 S522)	Optional	Optional	Optional	Optional S1122
MPEG4 part 2 (SIF @ 2Mbps)	Optional	Optional	Optional	Optional	Optional
Proxy H.263 (Web Interplay)	Optional (S520 S522)	Optional	Optional	Optional	Optional S1122
METADATA					
Avid defined metadata fields and essence locators	S520 S522	S1010 S1012	S1020 S1022	S1110 S1112	S1120 S1122
User defined Metadata fields	✓	✓	✓	✓	✓
ASSET MANAGEMENT					
Avid Interplay™ checkin via Interplay Web Services	S520 S522	S1010 S1012	S1020 S1022	S1110 S1112	S1120 S1122
AAF output for standalone Avid editors	S520 S522	S1010 S1012	S1020 S1022	S1110 S1112	S1120 S1122
XML metadata output for non-Avid workflows	S521 S522 S523	S1011 S1012 S1013	S1021 S1022 S1023	S1111 S1112 S1113	S1121 S1122 S1123
WRAPPERS					
MXF OPAtom (Avid native)	S520 S522	S1010 S1012	S1020 S1022	S1110 S1112	S1120 S1122
MXF OP1a (Sony-compatible)	S521 S522	S1011 S1012	S1021 S1022	S1111 S1112	S1121 S1122
QuickTime (.mov for Final Cut Pro)	S522 S523	S1012 S1013	S1022 S1023	S1112 S1113	S1122 S1123
ATTACHED STORAGE					
e-SATA plug	Optional	Optional	Optional	Optional	Optional
USER INTERFACE					
Remote web video monitor	Optional	✓	Optional	Optional	Optional



find more at www.mog-technologies.com

