

Multi-format Video Server

MFPR-4000

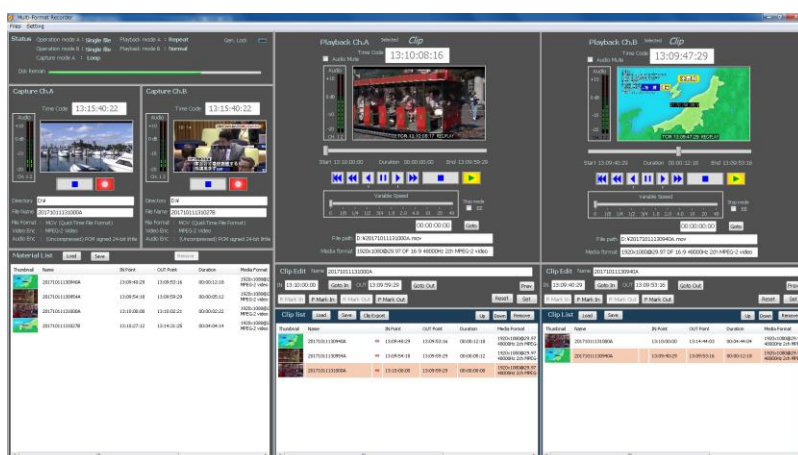
MFPR-4000 is the 2-IN / 2-OUT (2-RECORD / 2-PLAYBACK) video server. All channels work independently. As the recording and the playback can be operated simultaneously, it is suitable for instant replays for sports and many kinds of races. It accepts multiple of TV standards, encoding formats, and file formats. It can be connected an external editing machine and operated like a VTR. The endless loop recording is also possible.



RECORD-A&B

PLAYBACK-A

PLAYBACK-B



Features

- Capture with MXF OP1a HD422, MPEG2, MJPEG
- Playback multiple files like XDCAM, P2, AVCHD, MPEG2, and Motion JPEG.
- Controlling two channels recording and two channels playback independently.
- Simultaneous record and play.
- Endless loop recording.
- Clip edit function and playlist playback.
- Time-shift playback with minimum delay time of less than one second.
- The PC clock can be used as the time code.
- The YYYY MM DD HH MM SS can be assigned as a file name.
- Remote control by the Ethernet (UDP) or the RS-422 (OPTION).
- High speed file transfer by the Gigabit LAN and the USB3.0 interface.

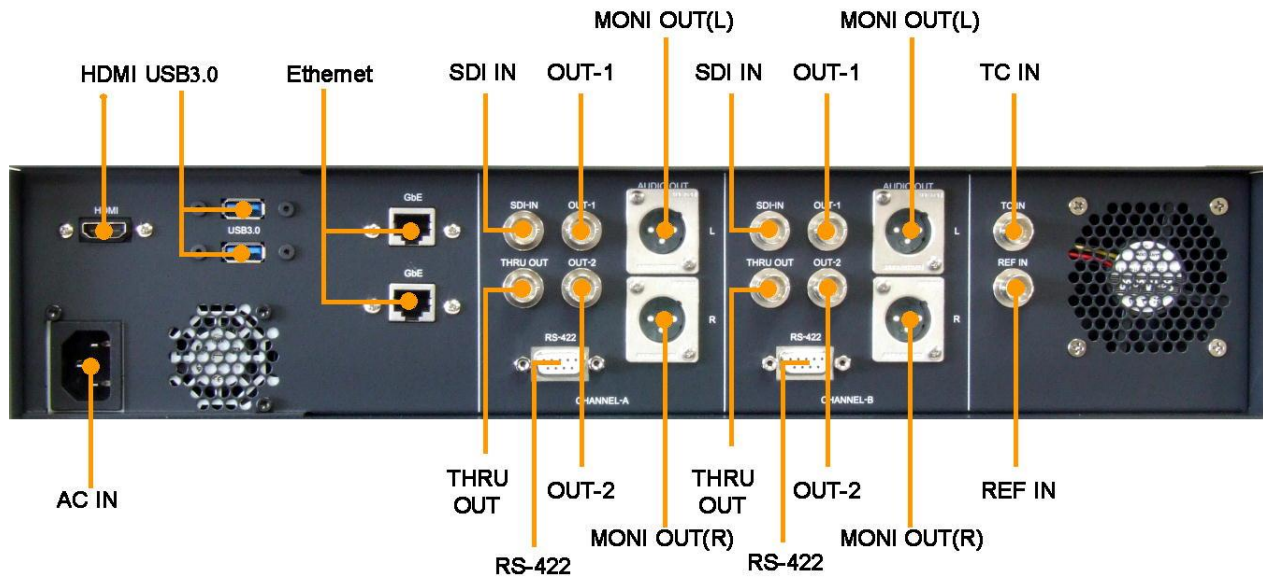
Main functions

- SD/HD multi-standard recording and playback.
- Up to 8 TB SSD internal storage capacities.
- Direct recording and playback to external drives.
- Playback while recording.
- Endless loop recording.
- Seamless playback of plural files.
- Slow, shuttle, JOG, search.
- UDP remote control via Ethernet.
- Remote control from the RS-422 controllers. (OPTION)
- Gen-lock to the external reference (BB, Tri-level)
- RP-188 Embedded Timecode in/out.

Applications

- Multi-format player for the linear editors. (News gathering).
- File base encoding and archiving of the VTR contents.
- Playlist playback of the MXF files from NAS servers.
- Simultaneous recording system by using the "LOOP recording" feature.
- Remote Surveillance System for science and disaster protection.
- Instant replay and sports slow motion by the "Play while recording" feature.

Rear Panel



Specifications

Video input	HD/SD-SDI x2 (Active-through out x2)	
Video output	HD/SD-SDI x4 (2 channels each for CH-A and CH-B)	
TV standard	525/29.97 NTSC, 625/25 PAL 1080i/50, 59.94, 1080p/23.98, 24, 25, 29.97, 720P/50, 59.94	
File format and encoding (Data rate after compression)	(1) MOV MPEG2 (Data rate: Approx. 20 Mbps) (2) MOV MPEG2 (Data rate: Approx. 50 Mbps) (3) MOV Motion JPEG LP mode (Data rate: Approx. 50 Mbps) (4) MOV Motion JPEG HG mode (Data rate: Approx. 100 Mbps) (5) MXF OP1a HD422 (Data rate: Approx. 50 Mbps)	
Playback file format	AVI, MOV, MP4, MXF, MPEG2-TS, WMV etc.	
Playback video coding	MPEG2, AVC-INTRA, MPEG4, ProRes422, DN x HD, AVCHD, etc.	
Up/DOWN convert	Converted output in playback.	
Digital audio input	Embedded Audio (MAX 8-Ch for each SDI)	
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Analog audio output	Monitor out x4 (2 channels each for L/R) (XLR 3-pin Male connectors) Stereo 3.5mm Head Phone Jack (front panel)	
External reference signal	BB or Tri-level sync.	
Analog timecode input	BNC x1	
Digital timecode in/out	RP-188 HD-SDI Embedded TC (LTC, VITC)	
Storage	For data	SSD 500 GB (standard), Up to 8 TB (optional)
	For system	SSD 120 GB
Interface	Display	HDMI x1
	USB2.0	Front x2
	USB3.0	Front x1, Rear x2
	LAN	RJ45 x2 (Gigabit Ethernet)
	REMOTE	Ethernet UDP control protocol, RS-422 x2 (OPTION)
OS	Windows 10 IOT Enterprise	
Power input	AC90-264V, 47~63Hz	
Power consumption	Approx. 85 W	
Environment	5~35°C, 5~85% (Non-condensing)	
Dimension	19-inch rack mount 2U 430(W) x87.6(H) x 400(D)	