Multi Format Player
MBP-100MP

FOR.A®
INNOVATIONS IN VIDEO
and AUDIO TECHNOLOGY

Multi Format Player

MBP-100MP

Canon XF

AVC-Intra

DVCPRO HD

XDCAM HD

XDCAM HD422

XDCAM EX

GF

AVCHD

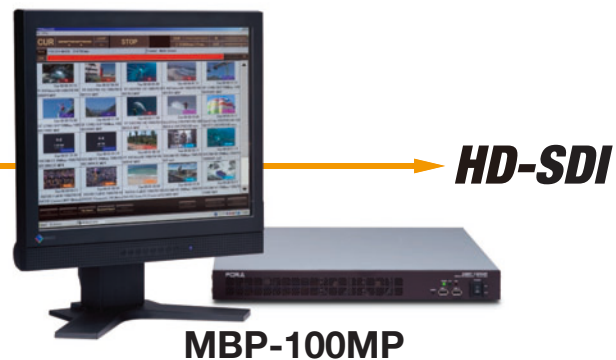*HDV*

QuickTime

HD-SDI

The Perfect Unit for File-Based Production

The MBP-100MP is a 1RU size multi-format player offering HD-SDI output of miscellaneous files. The major file formats used in video production, including various MXF files like XDCAM HD and P2HD are supported. The unit is very useful for building a file-based system allowing for the effective use of existing baseband system assets.

Playback of Miscellaneous File Formats Supported

Canon XF	CBR/4:2:2/422P@HL 50Mbps VBR/4:2:0/MP@HL 35Mbps CBR/4:2:0/MP@H14 25Mbps
GF	MPEG-2 I-frame Only 100Mbps MPEG-2 Long GOP 50Mbps
P2HD	DVCPRO HD (100Mbps) AVC-Intra100 (100Mbps) AVC-Intra50 (50Mbps)
XDCAM HD422 *XDCAM HD* *XDCAM EX*	MPEG HD422 (50Mbps) MPEG HD (35Mbps) MPEG HD (25Mbps) MPEG HD (18Mbps) MPEG-2 Long GOP (35Mbps) MPEG-2 Long GOP (25Mbps)
QuickTime	DVCPRO HD Codec
HDV	
AVCHD	

HD-SDI

MBP-100MP

● Support for audio files conforming to various formats
● Supported file formats are provided in plug-in form and more will be added as needed
● Miscellaneous files can be collected via Ethernet in the main unit's storage (SSD)
● Equipped with HD-SDI output and capable of outputting various files collected in the main unit as baseband signal
● Proves its effectiveness when you need to connect to a baseband system in an environment with multiple file formats mixed together
● Support for up to 8 channel audio output in embedded format

Control Software

● The control software uses thumbnail images, which let you confirm the content of recorded clips at a glance (file format, file name, metadata, icons, etc.)
● By incorporating footage into the "MediaConcierge™" media management system, the unit can be used as a clip server, with footage management and transmitted program control using a database.
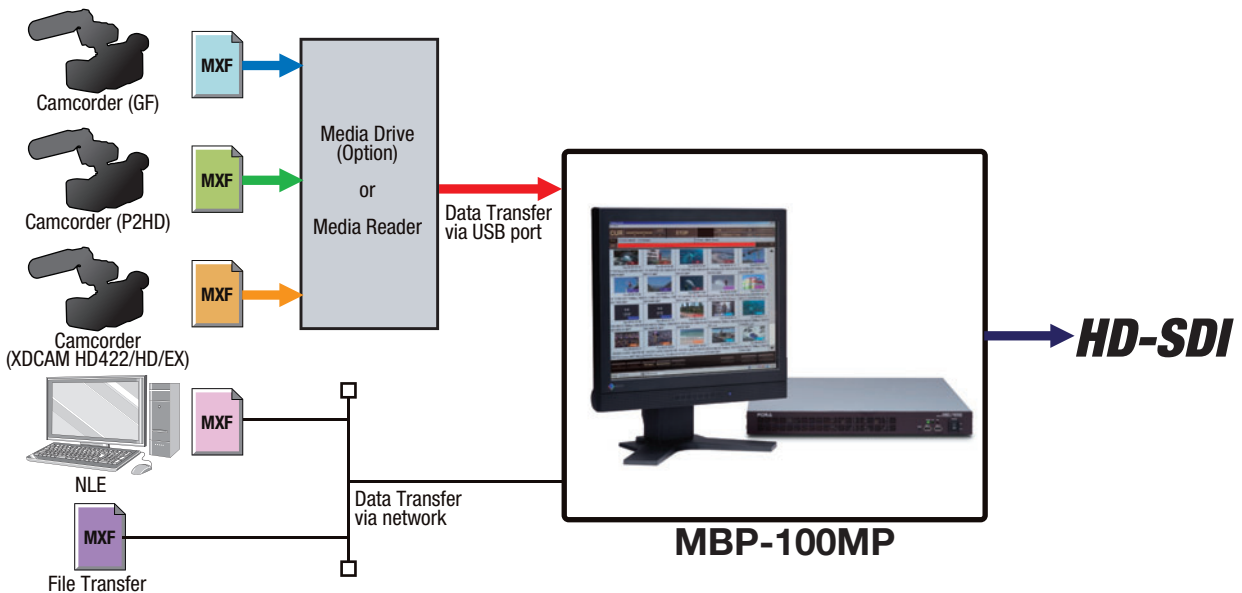
   *Metadata cannot be displayed in a uniform manner, since it will be read differently according to the file format.

List management (optional)

Application Examples

Bank registration / File receiving terminal

MBP-100MP

Camcorder (GF) — MXF
Camcorder (P2HD) — MXF
Camcorder (XDCAM HD422/HD/EX) — MXF
NLE — MXF
File Transfer — MXF

Media Drive (Option) or Media Reader
Data Transfer via USB port
Data Transfer via network

HD-SDI

- Ideal for use in systems that cannot limit file formats when importing footage
- Allows use as file input terminal when continuous bank operation is needed with baseband systems
- Media recorded by camcorder, etc, is forwarded to the MBP-100MP over drives manufactured by various companies and output via HD-SDI baseband signals
- Proc Amp and gain control function for video and audio output

- Files that are edited and produced in non-linear form are forwarded to the MBP-100MP over a network and output with HD-SDI baseband signals
- MBP is controlled by touch panel monitor, mouse, keyboard, etc.
- With connection to a VTR controller, supports even trick play features, such as of playback, stopping, fast forward and rewind (supported file formats limited)
- Also supports external triggers by GPI

Hardware Design Featuring the Latest Technologies

- The small EIA 1RU size and vibration-resistant case make it perfect for portable and on-board applications.
- Unlike products built on a PC platform, the product can be started up and shut down with a single power switch because of custom hardware.

- The custom hardware, developed by FOR-A, offers highly stable playback.
- Uses SSD for recorded media, resistant to vibration, yielding stable video

Plenty of Interfaces

- Ethernet: equipped with Ethernet support for 100Base-TX/1000Base-T, supports high speed file forwarding
- USB: Equipped with 4 channels of USB ports (2 each on front and back) conforming to USB 2.0, and allows connection to external drives, keyboard and mouse
- RS-422: Connection to an external controller enables various controls with VTR emulation command
- GPI: Equipped with GPI terminal (convenient for system building), enabling control of playback and stop operations by GPI (3 input, 3 output)
- VGA: Equipped with PC display terminal to enable various settings, use of control software, and preview function

Options

- VDCP footage ID selection function
- Function to designate in and out points in footage for partial playback
- Footing list editing (realignment, display on/off, etc.)
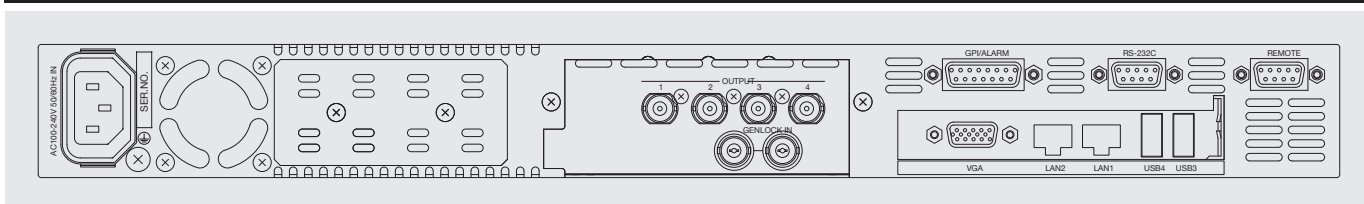- Back registration application

Please note

- Changing between footage in different file formats may cause change over shock in the video and audio signals involved
- Baseband input is not supported
- File format conversion is not supported
- There are limitations on file formats capable of seamless playback or trick playback
- Direct playback from miscellaneous media is not supported (planned for future support)
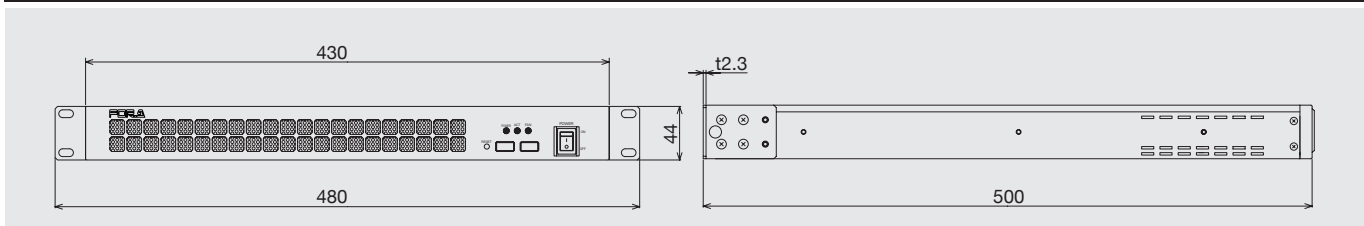
Specifications

● Storage (SSD)	64GB (Expandable to 128GB, optional)
● Supported Format	Compatible with Canon XF format: CBR/4:2:2/422P@HL 50Mbps, VBR/4:2:0/MP@HL 35Mbps, CBR/4:2:0/MP@H14 25Mbps
	Compatible with Ikegami GF format: MPEG-2 I-frame Only 100Mbps, MPEG-2 Long GOP 50Mbps
	Compatible with Panasonic P2HD format: DVCPRO HD (100Mbps), AVC-Intra100 (100Mbps), AVC-Intra50 (50Mbps)
	Compatible with SONY XDCAM HD422/XDCAM HD/XDCAM EX format: MPEG HD422 (50Mbps), MPEG HD (18/25/35Mbps), MPEG-2 Long GOP (25/35Mbps)
	Compatible with Apple QuickTime format (DVCPRO HD codec)
	Compatible with HDV format
	Compatible with AVCHD format
● Standard	HD: 1080/59.94i, 1080/50i, 720/59.94p, 720/50p
● Reference Input	BB: NTSC: 0.429Vp-p/PAL: 0.45Vp-p or Tri-level sync: 0.6Vp-p, 75Ω or loopthrough, 1 input, BNC
● Video Outputs	HD-SDI: 1.485/1.001Gbps, 75Ω, 4 outputs (1 x 4 outputs), BNC *Output signal can be changed to a down-converted signal at the setup menu
● Audio Outputs	Embedded audio: Max. 8ch (48kHz)
● Interfaces	VGA: 1 port, 15-pin mini D-sub (female) *for Display connection (also Touch panel connection)
	Ethernet: 100Base-TX/1000Base-T, 2 ports, RJ-45
	USB: 2.0 (High Speed) Series A connector, 4 ports (Front x 2, Rear x 2)
	REMOTE: 1 port, 9-pin D-sub (female) *for RS-422 control (VCR emulation protocol)*
	RS-232C: 1 port, 9-pin D-sub (male) *for Touch panel connection
	GPI/ALARM: 1 port, 15-pin D-sub (female)
	- ALARM: Power, Fan alarm (contact output) /
	- GPI: 3 inputs, 3 outputs (contact input, Open collector output)
● Temperature / Humidity	0ºC - 40ºC / 20% - 80% (no condensation)
● Power	100VAC - 240VAC ±10%, 50/60Hz
● Consumption	140 VA (140 W) at 100 VAC to 120 VAC
	154 VA (135 W) at 220 VAC to 240 VAC
● Dimensions / Weight	430 (W) x 44 (H) x 500 (D) mm EIA1RU / 9kg
● Accessories	Operation manual, AC cord, Rack mount bracket, Control software (installed)
● Options	SSD Expansion (128GB)
	VDCP footage ID selection function
	Function to designate in and out points in footage for partial playback
	Footing list editing (realign, display on/off, etc.)

*Supported control commands: play, stop, fast-forward, rewind, and frame-by-frame advance. Check operation in advance with the connected equipment.

Rear Panel

External Dimensions

- AVC-Intra and DVCPRO are trademarks of Panasonic Corporation.
- GF is a trademark of Toshiba Corporation.
- MediaConcierge is a trademark of FOR-A Company Limited.
- QuickTime is a trademark of Apple Inc.
- XDCAM is a trademark of Sony Corporation.
- HDV is a trademark of Sony Corporation and Victor Company of Japan, Limited.
- AVCHD is a trademark of Panasonic Corporation and Sony Corporation.