

PMW-50

Dual SxS PRO rugged, portable deck



Overview

Lightweight and compact dual SxS field recorder

The PMW-50 field recorder is the ideal companion for the PMW-500 camcorder for field operations, offering a practical and flexible tool to enhance its SxS workflow.

Features

Compact SxS portable playback/recording unit

The PMW-50 is a lightweight, rugged handheld recorder/player offering full portability for news and field operations. Weighing less than 1kg, the unit is designed to be tough and insensitive to vibrations and can be operated on BP-U battery.

3.5-inch display

The PMW-50 acts as a stand-alone multi format SxS viewer or desktop SNG Card feeder.

Compliant with the most popular video formats.

The PMW-50 supports all formats, from XDCAM EX family and XDCAM HD422, as standard. (UDF & FAT 32 format HD422/420, IMX50Mbps & DVCAM). The unit is .MXF and .MP4 files compliant, offering flexibility for broadcast and corporate operations.

Direct recording on SxS cards via HD/SD-SDI inputs

The PMW-50 enables recording with audio via HD/SD-SDI inputs.

SD, MS , XQD cards and SxS Media support

There is a flexibility of media availability, which allows user to choose the most appropriate media for their application.

Multiple inputs and outputs

The PMW-50 features HD/SD-SDI inputs along with a variety of outputs: analogue composite, HD/SD-SDI, HDMI, analogue audio, headphone, iLink and USB.

Specifications

General

Power Requirements	DC 12 V
Power Consumption	Approx. 10.5 W
Operating Temperature	0°C to 40°C 32°F to 104°F
Storage Temperature	-20°C to +60°C -4°F to +140°F
Mass	1.0 kg (body)
Dimensions (W x H x D) *1	124 x 86 x 237 mm (without protrusions)

UDF file system supports:

- HD422 mode: CBR, maximum bit rate: 50 Mbps, MPEG-2 422P@HL
- HD420 mode: VBR, 35 Mbps,

Recording/Playback
Format (Video)

- MPEG-2 MP@HL
- DVCAM mode: DVCAM
- IMX@50Mbps

FAT file system supports:

- HQ mode: VBR, maximum bit rate: 35 Mbps, MPEG-2 MP@HL
- SP mode: CBR, 25 Mbps, MPEG-2 MP@H14
- DVCAM mode: DVCAM

Recording/Playback
Format (Audio)

The recording formats in UDF file system are:

- HD422 mode: LPCM 24 bits, 48 kHz, 4 channels
- Other mode: LPCM 16 bits, 48 kHz, 4 channels

The recording formats in FAT file system are:

- HD mode: LPCM 16 bits, 48 kHz, 4 channels
- SD mode: LPCM 16 bits, 48 kHz, 2 channels

Approx. 120 min with SBP-64/ SBS-

Recording/Playback Time (MPEG HD422)

64G1A (64 GB) memory card
 Approx. 60 min with SBP-32/ SBS-32G1A (32 GB) memory card
 Approx. 30 min with SBP-16 (16 GB) memory card

HD 420 mode:
 Approx. 180 min with SBP-64/ SBS-64G1A (64 GB) memory card
 Approx. 90 min with SBP-32/ SBS-32G1A (32 GB) memory card
 Approx. 45 min with SBP-16 (16 GB) memory card

Recording/Playback Time (MPEG HD)

HQ 1920/HQ 1440 mode/HQ 1280 mode:
 Approx. 200 min with SBP-64/ SBS-64G1A (64 GB) memory card
 Approx. 100 min with SBP-32/ SBS-32G1A (32 GB) memory card
 Approx. 50 min with SBP-16 (16 GB) memory card

SP 1440 Mode:
 Approx. 280 min with SBP-64/ SBS-64G1A (64 GB) memory card
 Approx. 140 min with SBP-32/ SBS-32G1A (32 GB) memory card
 Approx. 70 min with SBP-16 (16 GB)

memory card

Recording/Playback
Time (DVCAM)

Approx. 220 min with SBP-64/ SBS-64G1A (64 GB) memory card
Approx. 110 min with SBP-32/ SBS-32G1A (32 GB) memory card
Approx. 55 min with SBP-16 (16 GB) memory card

Approx. 260 min with SBP-64/ SBS-64G1A (64 GB) memory card
Approx. 130 min with SBP-32/ SBS-32G1A (32 GB) memory card
Approx. 65 min with SBP-16 (16 GB) memory card

Battery Operating
Time

Approx. 150 min with BP-U30 battery (while recording, LCD monitor On, SDI/HDMI Off)
Approx. 300 min with BP-U60 battery (while recording, LCD monitor On, SDI/HDMI Off)
Approx. 450 min with BP-U90 battery (while recording, LCD monitor On, SDI/HDMI Off)

Media Drive

Media Type	ExpressCard/34 slot (x2)
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Input/Output

HD-SDI Input	BNC (x1), HD/SD selectable SMPTE 292M/259M standards
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SD-SDI Input	BNC (x1), HD/SD selectable SMPTE 292M/259M standards
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Analog Composite Output	BNC (x1) NTSC, PAL or HD-Y
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HDMI Output	Type A 19-pin (x1), output
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Analog Audio Output	Phono jack (CH-1, CH-2) -10dBu (Reference Level), 47k Ω
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Headphone Output	Stereo mini jack (x1)
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i.LINK	IEEE 1394, 4-pin (x1) HDV stream input/output, DVCAM stream output, S400
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USB	USB device, Type-B (x1)
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DC Output (12 V)	DC jack (12 V)
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Option	4-pin, Type A
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Other Equipment

Built-in Display

3.5-inch type color LCD monitor:
852 (H) x 3 (RGB) x 480 (V), 16:9

*1 The values for dimensions are
approximate.

Gallery

