SONY

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

General	
Mass	1.0 kg (body)
Dimensions (W x H x D) *1	124 x 86 x 237 mm (without protrusions)
Recording/Playback Format (Video)	UDF file system supports: - HD422 mode: CBR, maximum bit rate: 50 Mbps, MPEG-2 422P@HL - HD420 mode: VBR, 35 Mbps, 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
Recording/Playback Time (MPEG HD422)	Approx. 120 min with SBP-64/ SBS-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

General

Recording/Playback Time (MPEG HD)	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 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)

Input/Output

HD-SDI Input	BNC (x1), HD/SD selectable SMPTE 292M/259M standards

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

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.

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Gallery





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