

## 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<br>32°F to 104°F               |
| Storage Temperature          | -20°C to +60°C<br>-4°F to +140°F           |
| Mass                         | 1.0 kg (body)                              |
| Dimensions (W x H x D)<br>*1 | 124 x 86 x 237 mm<br>(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

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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

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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

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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

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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<br>SMPTE 292M/259M standards |
|--------------|---|

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

|                         |                               |
|-------------------------|-------------------------------|
| Analog Composite Output | BNC (x1)<br>NTSC, PAL or HD-Y |
|-------------------------|-------------------------------|

|             |                            |
|-------------|----------------------------|
| HDMI Output | Type A 19-pin (x1), output |
|-------------|----------------------------|

|                     |   |
|---------------------|---|
| Analog Audio Output | Phono jack (CH-1, CH-2)<br>-10dBu (Reference Level), 47k $\Omega$ |
|---------------------|---|

|                  |                       |
|------------------|-----------------------|
| Headphone Output | Stereo mini jack (x1) |
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|        |  |
|--------|--|
| i.LINK | IEEE 1394, 4-pin (x1)<br>HDV stream input/output, DVCAM<br>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

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\*1 The values for dimensions are  
approximate.

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## Gallery

