SONY

PMW-PZ1

4K/HD SxS memory player

Overview

Multi-format support and versatile interfaces deliver a new level of convenience for 4K productions

The PMW-PZ1 4K SxS memory player is a high-quality and cost-effective playback solution for 4K shooting and post production applications. The PMW-PZ1 is equipped with an IC (hardware codec), originally created by Sony, which features multi-format playback capability for 4K (including 59.94p, 50p, 29.97p, 25p, 23.98p and 24p), QFHD, and HD - supporting a wide variety of formats. These include XAVC Intra and XAVC Long, XAVC S-Long, MPEG HD422 and MPEG HD. This wide variety of formats can be played safely and smoothly by the integrated hardware codec originally created by Sony. The PMW-PZ1 is equipped with an SxS card slot, a HDMI output, 3G/HD-SDI outputs (x4), an audio output, LCD color monitor and more. This combination of versatile interfaces enables seamless playback, copying and monitoring of 4K and HD video across a diverse range of applications, from location shoots to post production to video walls.

Multi-format capability in 4K and HD

Highly flexible multi-format playback capability for 4K and HD. It can playback a variety of formats including XAVC Intra, XAVC Long, XAVC S-Long, MPEG HD422 and MPEG HD.

Simple copy and back-up process

USB interface for connection to an external USB storage device, enables users to copy data in SxS media directly to external storage without the need for other devices. A copy log (csv format) helps users easily check the file names of copied files.

Choice of interfaces

Includes SxS memory card slot, HDMI output, 3G/HD-SDI outputs (x4), USB3.0 for external USB storage and USB 2.0 for mouse, Ethernet for control, and analogue audio output (RCA jack), Headphone output (Stereo min jack).

Expanded Operations

Firmware version 1.2 allow users more freedom of operations for variety of circumstances.

Features

Multi-format capability in 4K and HD

The PMW-PZ1 has a highly flexible multi-format playback capability for 4K and HD It can playback a variety of formats including XAVC Intra, XAVC Long, XAVC S-Long, MPEG HD422 and MPEG HD. This includes 4K XAVC Intra playback at 59.94p, 50p, 29.97p, 25p, 23.98p and 24p.

Direct playback and viewing function

The PMW-PZ1 allows direct playback from SxS memory cards or from an external USB storage device. (It does not mean that PMW-PZ1 give a performance guarantee for real-time video/audio playback, etc in all external storages. Please use appropriate media depending on bit rate of the data. (We recommend SSD or Raid type HDD).)

Simple copy and back-up process

The PMW-PZ1 is equipped with a USB interface designed for connection to an external USB storage device. This enables users to copy data in SxS media directly to external storage without the

need for other devices. The PMW-PZ1 creates a copy log (csv format) in the external USB storage device, which helps users to easily check the file names of copied files. For greater accuracy in the copy process, users can activate a verify function before copying to avoid any copy errors.

Versatile control and LCD front screen

The PMW-PZ1 allows for easy control direct from the front panel, which features a high quality 3.5 inch colour LCD front screen. Control is also possible with USB mouse through the USB interface.

Choice of interfaces

Connectivity and inter-operability with other devices are vital for any memory player to enable quick and easy operation. The PMW-PZ1 meets this need with a host of versatile input and output interfaces, including a HDMI port and four 3G/HD-SDI outputs*1. Through the HDMI port, the PMW-PZ1 can be connected to professional monitors and projectors, or even consumer TVs, for the most flexible operation under various production circumstances. An independent audio output is also available on the player. The PMW-PZ1 is equipped with two USB interfaces – one for connection to external USB storage, and the other to a mouse device for the user to control the PMW-PZ1. Not only does this enable data to be copied, but also allows the user to play stored clip data from the external USB storage device*2.

*1 3G/HD-SDI output : 2 sample interleave, Square division
*2 Please use appropriate media depending on bit rate of the data.

Updated Features (Latest Version)

・Additional format: XAVC Intra 4K (4096x2160) Class 480 29.97P/25P/24P/23.98P and more
・Remote controllable via a web browser on the operator's PC or mobile device

・Supports the ODS-D77U/55U (copy only) and the PDW-U2 (review only) for greater operational flexibility
・Supports a Play List feature that enables the operator to select and play clips in the desired order
・Assignable In-Out points allow just the required part of a clip to be played
・Down-converted HD images can be output separately from 4K output for monitoring
・Operators can now select specific clips to copy to an external device
・Audio track 7/8ch select mode
・Audio out on/off on searching

Specifications

General	
Power Requirements	DC 11 - 19.5V
Power Consumption	Approx. 30 W (4K XAVC Intra 60p Playback) Approx. 35 W (Copy from SxS card to external USB Storage)
Operating Temperature	5°C to 40°C (41°F to 104°F)
Storage Temperature	-20°C to +55°C (-4°F to + 131°F)
Mass	Approx. 2.3kg
Dimensions (W x H x D) *1	212 x 84 x 200 mm

Playback Format

Pixel - 4K (4096x2160)	Frame rate: - XAVC Intra (.MXF): Class480 : 29.97P/25P/24P/23.98P, Class300 : 59.94P/50P/29.97P/25P/24P/23.98P File system: - SxS, XQD : exFAT, UDF, FAT32 - External Storage : exFAT, NTFS VBR/CBR: VBR/CBR Audio: - Linear PCM - 24bit 48kHz - Output Max 6ch
Pixel - QFHD (3840x2160)	Frame rate: - XAVC Intra (.MXF): Class480 : 29.97P/25P/23.98P, Class300 : 59.94P/50P/29.97P/25P/23.98P File system: - SxS, XQD: exFAT, UDF, FAT32 - External Storage: exFAT, NTFS VBR/CBR: VBR/CBR

	Audio: - Linear PCM - 24bit 48kHz - Output Max 6ch
Pixel - HD (1920x1080)	Frame rate: - XAVC Intra (.MXF): Class100 : 59.94P/50P/29.97P/25P/23.98P, 59.94i/50i - XAVC Long (.MXF): 59.94P/50P/29.97P/25P/23.98P, 59.94i/50i - XAVC S (.MP4): 59.94P/50P/29.97P/25P/23.98P - XDCAM MPEG HD422 (.MXF): 29.97P/25P/23.98P, 59.94i/50i - XDCAM MPEG HD420 (.MXF): 29.97P/25P/23.98P, 59.94i/50i - XDCAM EX MPEG HD420 (.MP4): 29.97P/25P/23.98P, 59.94i/50i File system: - SxS, XQD: exFAT, UDF, FAT32 - External Storage: exFAT, NTFS VBR/CBR: VBR/CBR Audio: - Linear PCM

	- 24bit 48kHz - Output Max 6ch
Pixel - HD (1280x720)	Frame rate: - XAVC Intra (.MXF): 59.94P/50P - XAVC Long (.MXF): 59.94P/50P - XDCAM MPEG HD422 (.MXF): 59.94P/50P - XDCAM MPEG HD420 (.MXF): 59.94P/50P - XDCAM EX MPEG HD420 (.MP4): 59.94P/50P File system: - SxS, XQD : exFAT, UDF, FAT32 - External Storage : exFAT, NTFS VBR/CBR: VBR/CBR Audio: - Linear PCM - 24bit 48kHz - Output Max 6ch

Media Drive

Media Type	SxS Memory Card(ExpressCard/34) slot (1)

Input/Output	
3G/HD-SDI Monitor Output	BNC (4), 3G-SDI/HD-SDI, 4K/QFHD:2-Sample Interleave output/Square Division output SMPTE ST 424, 425(Level A/B) / SMPTE ST 292(1080 Interlace/P/PsF, 720P) standards
HDMI 4K/HD Output	Type A 19-pin (1), output,up to 4K 60P 4:2:0 8bit
Analog Audio Output	RCA jack (L,R) -11dBu (Reference Level)
Headphone Output	Stereo mini jack (1)
Mouse	for USB Mouse: Basic Optical Mouse(Microsoft) (1)
External Storage	for USB3.0 Memory: PSZ-SA25, USM128GQX(Sony) (1) (Front x1 or Rear x1)
Network	1000base-T ether x1
DC Input	DC jack (11V-19.5 V)

Other Equipment	
Display	3.5-inch type color LCD monitor: 960 (H) x 3 (RGB) x 540 (V), 16:9

Supplied Accessories

Supplied Accessories	AC Adaptor 19.5V (1) without AC cable XLR(4pin) to DC conversion cable (1) Leaflet: Before Using this Unit (1), Catalyst browse information (1) CD-ROM : Operating instructions in PDF (1)

Notes

*1	The values for dimensions are approximate.

Related products

PVM-X300

30-inch 4K TRIMASTER™ LCD professional monitor

PVM-X550

55-inch 4K TRIMASTER EL™ OLED high grade picture monitor

BVM-X300 V2

30-inch 4K TRIMASTER EL™ OLED critical reference monitor

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