SONY

PMW-PZ1

4K/HD Memory Player

4K XAVC XAVC S MPEG HD422 MPEG HD SxS

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Affordable 4K Memory Player Delivers New Levels of Convenience

Rapid growth in the 4K shooting and editing environment has required many production companies to make new investments in high-performance computing capabilities. Fortunately, for 4K clip playback, there's an extremely affordable solution: Sony proudly introduces the easy-to-use, high-quality PMW-PZ1 4K memory player.

The PMW-PZ1 is equipped with an SxS card slot, HDMI output, 3G/HD-SDI outputs (x4), analog audio output, 3.5-inch QHD LCD and more. This combination of versatile interfaces enables the seamless playback, copying and monitoring of 4K and HD video across a diverse range of applications not only for video production but also for development of 4K equipment and 4K video walls at events, exhibitions, museums and other venues.

Multi-format Capability

Easy playback capabilities from 4K (including 59.94p, 50p, 29.97p, 25p, 23.98p and 24p) to HD ensure that professional users and consumers alike find this player convenient and simple to use. The PMW-PZ1 supports a wide variety of file formats – XAVC Intra, XAVC Long, XAVC S, MPEG HD422 and MPEG HD (420). Multi-format support allows you to play clips without having to make additional file system and frame rate adjustments.

Simple Copy and Backup

The PMW-PZ1 is equipped with a USB interface for connection to an external storage device. This enables you to copy data in SxS directly to external storage without employing any other device. The PMW-PZ1 will create a copy log (csv) in external storage that helps you to easily check the file name of copied files. For greater accuracy and to avoid any copy errors, you can activate the verify function before copying.

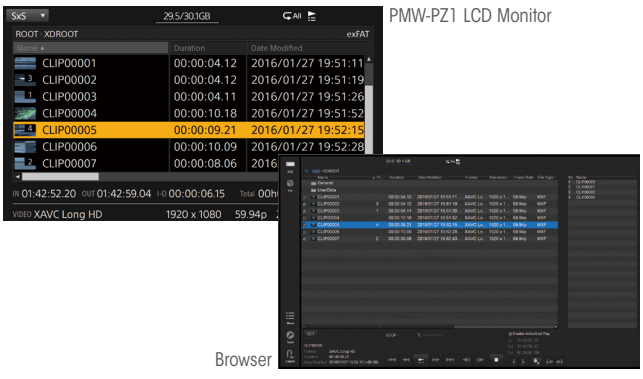
Versatile Interface

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

Updated Features (Latest Firmware Version)

- Additional format: XAVC Intra 4K (4096 x 2160) 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

Play List Image



PMW-PZ1 LCD Monitor

Browser

Memory Camcorder

F55

PXW-X500

PXW-FS7

Non-Liner Editor

VEGAS and other third-party software

SBAC-US30
SxS Reader/Writer

SSD/Raid type HDD

SxS Series / High Speed External Storage

SxS Card Series

XQD G Series

XQD USB Adapter

PSZ Series

SSD/Raid type HDD

PMW-PZ1

For Venue

Easy 4K and HD output to digital signage or a projector.
External storage data can also be played.

For Production / Post-Production

Export edited 4K data to SxS or external USB storage for preview.
This player can also be used to copy edited data for delivery.
Use an HDMI connection for consumer TV playback.

For Location

Recorded 4K images (for example, by the F55/FS7) can be easily and immediately checked on location using the PMW-PZ1.

For Development of 4K Equipment

4K equipment developers can easily test their equipments using the PMW-PZ1 as 4K source player.

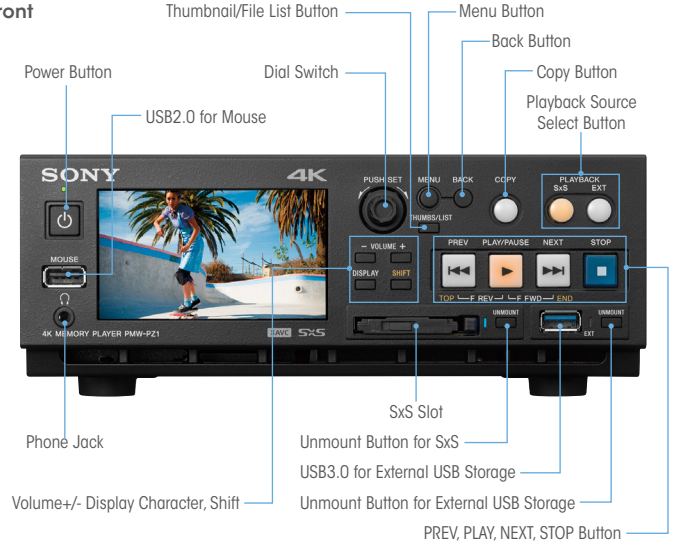
Specifications

	PMW-PZ1						
Genera							
Power Requirements	DC 11 - 19.5 V						
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. 2.3 kg						
Dimensions (W x H x D) *1	212 x 84 x 200 mm						
Playback Format *2	**Pixel**		**Format**	**Frame rate**	**File system**	**VBR/CBR**	**Audio**
	4K 4096x2160		XAVC Intra (.MXF)	Class480 : 29.97P/25P/24P/23.98P	SxS, XQD : exFAT, UDF, FAT32 External Storage : exFAT, NTFS	VBR/CBR	Linear PCM 24bit 48kHz Output Max 6ch
				Class300 : 59.94P/50P/29.97P/25P/24P/23.98P			
	QFHD 3840x2160		XAVC Intra (.MXF)	Class480 : 29.97P/25P/23.98P			
				Class300 : 59.94P/50P/29.97P/25P/23.98P			
			XAVC Long (.MXF)	59.94P/50P/29.97P/25P/23.98P			
			XAVC S (.MP4)				
	HD	1920x1080	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)				
			XDCAM EX MPEG HD420 (.MP4)				
		1280x720	XAVC Intra (.MXF)	59.94P/50P			
			XAVC Long (.MXF)				
			XDCAM MPEG HD422 (.MXF)				
			XDCAM MPEG HD420 (.MXF)				
			XDCAM EX MPEG HD420 (.MP4)				
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) -11 dBu (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 (11 V-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							
	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)						

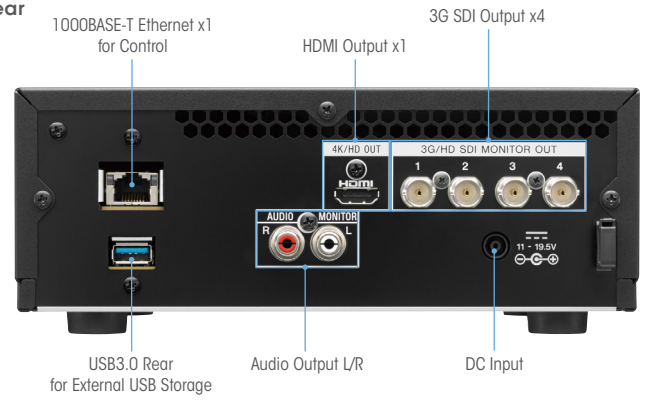
*1 The values for dimensions are approximate. *2 Latest firmware suport simple play back in 1,440x1,080 MPEG HD 420 format.

Interfaces

Front



Rear



Optional Accessories

SxS*1 Memory Card Series
Memory Media

XQD*1*2 Memory Card Series
Memory Media

QDA-EX1
XQD Adaptor

PSZ Series
Portable Storage

ODS-D77U/55U (Copy only)
Optical Disc Archive

PDW-U2 (Review only)
Drive Unit

*1: Please use appropriate media depending on bit rate of the data.
*2: Please use dedicated USB adaptor for XQD G Series

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