

Stereo Image Processor

MPE-200

Multi image processor

MPES-3D01

Stereo image processor software

SONY

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Sony is proud to introduce the MPE-200, a multi-image processing hardware that simplifies the 3D shooting workflow when the optional MPES-3D01 stereo-image processor software is installed.

This innovative stereo image processor (MPE-200 with MPES-3D01) allows the user to analyze 3D images with a built-in waveform monitoring function, and make fine adjustments to their appearance through digital signal processing. This greatly reduces the cumbersome and time-consuming task of mechanical fine adjustment of the 3D camera rigs. The user can control several MPE-200 processors with MPES-3D01 software* via a computer installed with a GUI software*.

In addition, the stereo image processor enhances the operational performance of the 3D contents creation system consisting of Sony's products, such as cameras and switchers. For example, Sony cameras deliver the lens information such as zoom position as real-time metadata and the stereo image processor can make use of this data for advanced adjustment such as automatic zoom scale matching. This enables high-quality 3D content that can be created with a simple camera rig.

Furthermore, the stereo image processor offers a choice of monitoring methods for stereo monitor output, including side-by-side, above/below, anaglyph, 50% mix, and difference.

Outstanding performance and excellent operability make the innovative solution of an MPE-200 processor with MPES-3D01 software ideal for a broad range of 3D shooting and live production applications.

*The MPES-3D01 software package comprises two software programs; a processor software installed on the MPE-200 unit and a GUI software installed on a computer.

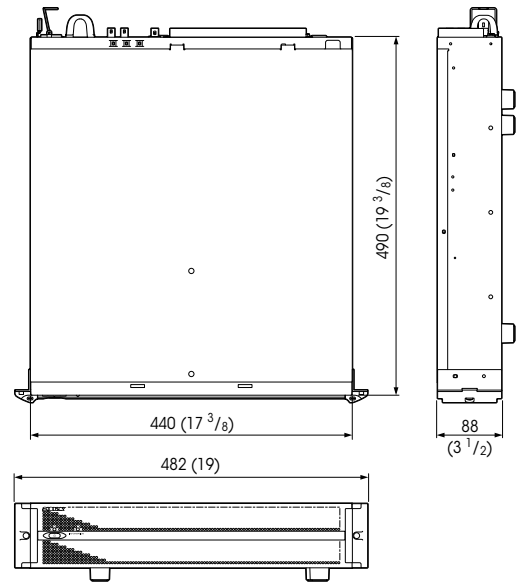


Key features

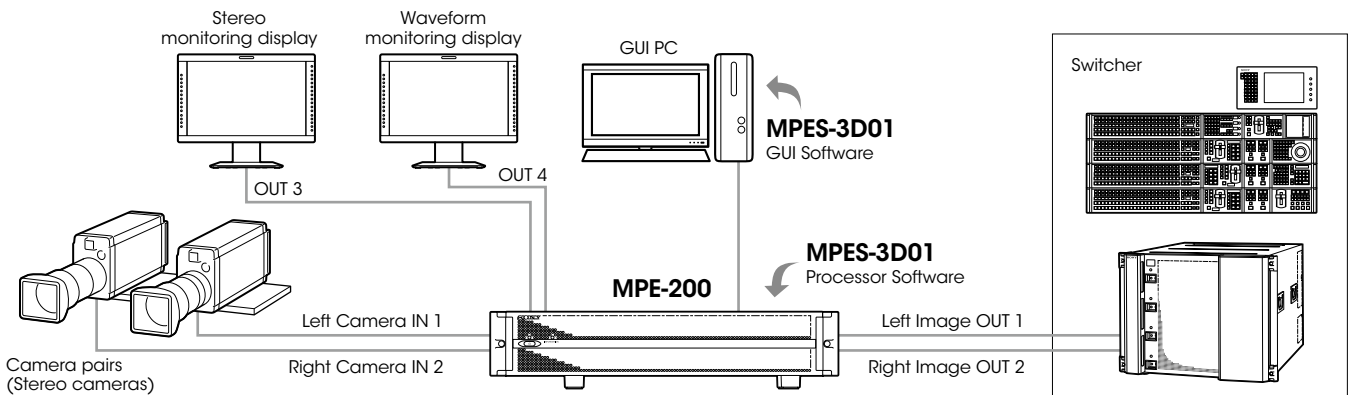
- 3D analysis functions including depth guide/warning/statistics
- Built-in waveform monitoring function
- Fine adjustment of camera alignment signal processing, such as optical axis shift and mechanical factors
- Color matching between a pair of cameras
- Convergence adjustment, such as horizontal offset and toe-in angle of a pair of cameras, to modify the final appearance of 3D images
- Setup and Snapshot features to save/recall settings and status
- Camera metadata (lens information) integration with the HDC-1500R Series multi-format HD camera or the HDC-P1 HD multi-purpose camera
- Multi-processor control from a PC GUI via an Ethernet connection
- Compact 2U-size body with 19-inch rack mountability

Dimensions

Unit: mm (inches)



Sample System Diagram



Specifications

General	
Power requirements	AC 100 V to 127 V, 200 V to 240 V, 50/60 Hz
Current consumption	100 V to 127 V: 4 A, 200 V to 240 V: 2 A
Operating temperature	5°C to 40°C (41°F to 104°F)
Mass	11.5 kg (25 lb 6 oz)
Dimensions (W x H x D) (excluding protrusion)	440 x 88 x 490 mm (17 3/8 x 3 1/2 x 19 3/8 in)

External connection ports	
NETWORK-1, -2	RJ-45, 10BASE-T/100BASE-TX/1000BASE-T
USB	USB A (x2)
RS-232C	D-sub 9-pin (male) (x1) Data transfer rate: 38.4 Kbps
IN 1 to 4 (HD-SDI input)	BNC (x4), 75Ω Signal format: SMPTE 292M standard Signaling rate: 1.5 Gbps Cable length: 100 m (approx. 328 ft.) (when using 5C-FB cable (Belden 1694 equivalent)) Video: 1080/59.94i, 1080/50i, 1080/23.98PsF
OUT1 1 to 4 (HD-SDI output)	BNC (x4), 75Ω Signaling rate: 1.5 Gbps Video: 1080/59.94i, 1080/50i, 1080/23.98PsF
REF IN	BNC (X1), 75Ω termination HD tri-level sync / SD black burst
Supplied accessories	Operation Manual (1), Installation Manual (1), Notice Concerning Software (1)

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The MPE-200 is produced at Sony EMCS Corporation's Kosai Technology Center, which has received ISO14001, the Environmental Management System certification.

