

2D/3D Converter Spec Sheet

SONY
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MPE-200

Multi-image processor

MPES-2D3D1

2D/3D Converter software



Simulated image

Over the past few years, 3D technology has made great advances, and Sony has created a broad lineup to support efficient stereoscopic 3D content creation.

Sony has already introduced the MPE-200-based Stereo Image Processor (featuring MPE-200 hardware with MPES-3D01 software) to help with the task of shooting 3D images by mechanical fine adjustment of a 3D camera rig. This solution has earned a brilliant reputation for greatly reducing cumbersome and time-consuming 3D shooting tasks.

Now Sony introduces MPES-2D3D1 2D/3D Converter software, installed in MPE-200 Multi-image processing hardware, in response to emerging demands for a cost-effective way to produce 3D content in the fields of both live production and post-production.

This revolutionary 2D/3D Converter (featuring MPE-200 hardware with MPES-2D3D1 software*) allows the user to convert 2D images into 3D in real time by simple, straightforward operation via an intuitive graphical user interface (GUI)*.

Natural 3D images can be generated through 2D-to-3D conversion using Sony's unique sophisticated algorithm. Up to four signals of 2D images can be input, and the selected signal is converted into 3D.

For operational flexibility, users can install additional application software. As well as MPES-2D3D1 software, MPES-3D01 Stereo image processor software and MPES-FX01 Programmable effector software can be installed together in the MPE-200 Multi-image processor, and users can switch between these programs as required.

With impressive high performance, together with versatile and user-friendly operability, this 2D/3D Converter (MPE-200 hardware with MPES-2D3D1 software) is ideal for creating 3D content in a cost-effective way. And - one further benefit - the 2D/3D Converter is ideal for applications where space is limited, in preference to a large 3D camera rig.

* The MPES-2D3D1 software package comprises two software programs: (1) converter software installed on the MPE-200 unit and (2) GUI software installed on a computer.

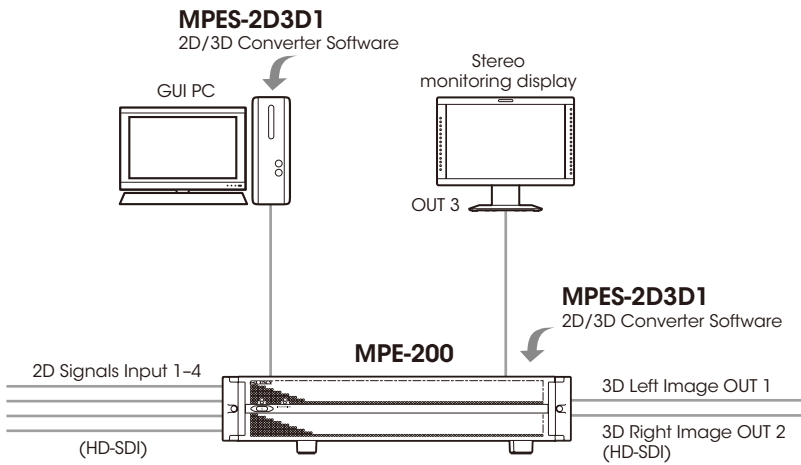


Key Features

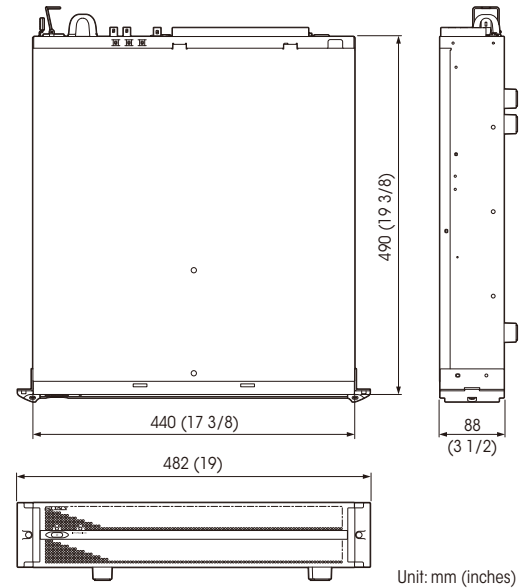
- Easy and straightforward operation using the intuitive GUI
- Natural 2D-to-3D conversion via Sony's original algorithm
- Up to four signals of 2D images can be input
- Via a PC GUI, users select the input signal to be converted to 3D
- Various parameters can be adjusted via this PC GUI
- Parameters can be set on each of the four input signals

- Multiple application software can be installed together in an MPE-200 Multi-image processor, such as MPES-3D01 Stereo image processor software, MPES-FX01 Programmable effector software, and MPES-2D3D1 2D/3D Converter software; users can switch between these applications as required
- Wide range of supported signal formats: 1080i/59.94, 1080i/50, 1080PsF/23.98, and 720p/59.94

Sample System Diagram



Dimensions



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 × 88 × 490 mm (17 3/8 × 3 1/2 × 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, 720p/59.94
OUT 1 to 4 (HD-SDI output)	BNC (x4), 75Ω Signaling rate: 1.5 Gbps Video: 1080/59.94, 1080i/50, 1080PsF/23.98, 720p/59.94
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)

Recommended environment	
Operating system	MS Windows 7 (32-bit or 64-bit version)
CPU	1 GHz or faster 32-bit (x86) or 64-bit (x64) processor
Memory	1 GB or more for a 32-bit operating system, and 2 GB or more for a 64-bit system
Hard disk	500 MB or more of free space
Display	Resolution of 1024 × 768 or better, 32-bit color or better
Network ports	One 1000BASE-T port for connecting the MPE-200 unit

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

