PMW-TD300

Solid-state Memory 3D Camcorder

Preliminary

The first fully integrated 3D shoulder camcorder from Sony.

In response to the rapidly growing demands in the 3D industry, Sony proudly introduces the new PMW-TD300 – a professional 3D shoulder camcorder.

With its shoulder-mount design, this camcorder has a familiar compact body, and provides a stable shooting style that is crucial to creating good 3D images.

Affordable and fully integrated, this 3D camcorder reduces the burden of complicated user adjustments before shooting, such as left- and right-lens alignment.

The PMW-TD300 is a powerful tool to support the needs of professional 3D video production - combining mobility, stability, and affordability.
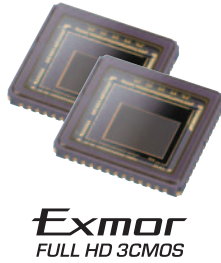
MAIN FEATURES

■ Dual Three 1/2-inch Type Exmor™ Full-HD CMOS Sensors

The dual Exmor 3CMOS image sensors provide high-quality 3D images with excellent sensitivity, as well as 1920 x 1080 resolution, meeting the industry standard for broadcast cameras. The 1/2-inch sensor size achieves an ideal balance between high quality and compact design - the body is of similar size to current 2D models.

Exmor
FULL HD 3CMOS

■ Dual Lens System

The newly developed dual lens system allows fully synchronized operation between left and right lenses with high accuracy - in focus, zoom, and iris adjustments. With the minimized 45 mm IAD (Inter-Axial Distance) of the dual lens system, this camcorder offers a wide shooting zone to capture good 3D images - especially for near-side shooting, with its support for a 1.2 m minimum convergence distance.

■ XDCAM EX™ Recording

XDCAM EX

The recording format is identical to that of the existing PMW-EX1R, PMW-EX3, and PMW-350/320 Series. Proven, high-speed, and intuitive XDCAM EX workflow offers seamless integration with leading non-linear editing software.

■ SxS® Card Slots (L/R x 2)

L   R

Left and right images are recorded on each SxS card separately, in synchronization. As the camcorder features four SxS card slots (two each for the left and right), it offers a long recording duration of over 9 hours in SP (25Mbs) mode (with four 64-GB cards). Media sold separately.

SxS

■ 3D/2D Recording Modes

Not only 3D but 2D shooting mode is available. With a single SxS card, the camcorder is able to shoot images only through the left lens. In addition, parallel recording onto the left and right cards is useful as a method of redundant shooting in 2D operation, although the images will be different.

OTHER FEATURES

- ■ Intuitive convergence control with a dedicated dial feature
- ■ Viewfinder with 3.5-inch type color LCD
- ■ HD-SDI out (L/R dual stream, audio and TC embedded)
- ■ HDMI® out (3D/2D) for viewing on consumer 3D displays
- ■ Genlock in & TC in/out for integration with multi-camera systems

MAIN SPECIFICATIONS

Lens	Dual lens system (fixed)
Imaging Device	Dual 3-chip 1/2-inch type Exmor Full HD CMOS
Recording Format	Video: MPEG2 HD (4:2:0)
	HQ mode: 35 Mb/s, SP mode: 25 Mb/s
	Audio: Linear PCM (4-ch, 16-bit, 48 kHz)
Card Slot	SxS card (L/R x 2)
Max. Recording Time	Max. 400 min (HQ mode, using 64-GB x 4)
Recording Mode	3D/2D
IAD (Inter-Axial Distance)	Approx. 45 mm (fixed)
Convergence Control	Manual (approx. 1.2 m to ∞)
Zoom Control	Manual & Servo (T/W)
Focus / Iris Control	Manual & Auto
Viewfinder	3.5-inch type color LCD monitor
HD-SDI Output	BNC (x2, L/R)
HDMI Output	A-type (x1, 3D/2D)
Genlock Input	BNC (x1)
TC Input/Output	BNC (x1) / BNC (x1)

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