

Sony PMW EX3

Mass	Approx. 1.9 kg (without lens)
	Approx. 3.6 kg (with lens, lens hood, eye piece, BP-U30 battery, one SxS PRO memory card)
Power Requirements	DC 12 V
Power Consumption	Approx. 13.5 W (while recording, LCD viewfinder On)
	#Approx. 14 W (while recording, EVF On, LCD monitor On, IO Select HD SDI & HD HDMI)"
Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to +60°C
Continuous Operating Time	Approx. 210 min with BP-U60 battery
Dimensions (W x H x D)*1	
Recording Format (Video)	MPEG-2 Long GOP
	HQ mode: VBR, maximum bit rate: 35 Mbps, MPEG-2 MP@HL
	SP mode: CBR, 25 Mbps, MPEG-2 MP@H-14
Recording Format (Audio)	Linear PCM (2 ch, 16-bit, 48-kHz)
Recording/Playback Time (MPEG HD)	HQ Mode:
	Approx. 100 min with SBP-32 (32 GB) memory card
	Approx. 50 min with SBP-16 (16 GB) memory card
	Approx. 25 min with SBP-8 (8 GB) memory card
	SP Mode:
	Approx. 140 min with SBP-32 (32 GB) memory card
	Approx. 70 min with SBP-16 (16 GB) memory card
	Approx. 35 min with SBP-8 (8 GB) memory card
Recording Frame Rate	NTSC
	HQ mode:
	1920 x 1080/59.94i, 29.97p, 23.98p,
	1280 x 720/59.94p, 29.97p, 23.98p
	SP mode: 1440 x 1080/59.94i, 23.98p (pull down)
	PAL
	HQ mode:
	1920 x 1080/50i, 25p,
	1280 x 720/50p, 25p
SP mode: 1440 x 1080/50i	

Lens

Lens Mount	Sony 1/2-inch type EX mount
Zoom Ratio	14x (optical), servo/manual
Focal Length	f = 5.8 mm to 81.2 mm (equivalent to 31.4 mm to 439 mm on 35 mm lens)
Filter Diameter	M77 mm, pitch 0.75 mm (on lens)

Input/Output

Genlock Input	BNC (x1)
Timecode Input	BNC (x1)
Audio Input	XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable
SDI Output	BNC (x1), HD-SDI/SD-SDI selectable
Audio Output	Phono jack (CH-1,CH-2)
Timecode Output	BNC (x1)
Earphone Output	Stereo mini jack (x1)
Speaker Output	Monaural
DC Input	DC jack
Remote	8-pin
i.LINK	IEEE 1394, 4-pin (x1), HDV stream input/output (HDV 1080i), S400
Composite Output	Mini-D (x1) via A/V multi connector
USB	USB device, Mini-B (x1)

Camera Section

Effective Picture Elements	1920 (H) x 1080 (V)
Optical System	F1.6 prism system
Built-in Optical Filters	OFF: Clear, 1: 1/8ND, 2: 1/64ND
Shutter Speed (Time)	1/60 sec to 1/2,000 sec + ECS*2
Shutter Speed (Slow Shutter (SLS))	2, 3, 4, 5, 6, 7, 8, 16, 32, and 64-frame accumulation
Slow & Quick Motion Function	720p: Frame rate selectable from 1 fps to 60 fps 1080p: Frame rate selectable from 1 fps to 30 fps
Sensitivity (2000 lx, 89.9% reflectance)	F10 (typical) (1920 x 1080/59.94i mode)
Minimum Illumination	0.14 lx (typical) (1920 x 1080/59.94i mode, F1.9, +18 dB gain, with 64-frame accumulation)
White Balance Gain Selection	Preset (3200K), Memory A, Memory B/ATW
S/N Ratio	-3, 0, 3, 6, 9, 12, 18 dB, AGC 54 dB (Y) (typical)

Horizontal Resolution 1,000 TV lines or more (1920 x 1080i mode)

Viewfinder

Viewfinder 3.5-inch*3 type color LCD monitor: approx.
921,000 effective pixels, 640 (H) x 3 (RGB) x 480 (V), 16:9, hybrid type

Other Equipment

Built-in Speaker Omni-directional stereo electret condenser microphone.

Supplied Accessories

VCL-614B2X exclusive standard zoom lens (1)
Lens hood with lens cap (1)
Lens adaptor (1)
Infrared Remote Commander (1)
Eyepiece (1)
Eyecup (1)
USB cable (1)
Component video cable (1)
BP-U30 battery pack (1)
BC-U1 battery charger (1)
Shoulder strap (1)
Supplied Accessories Cheek pad (1)
Lens mount cap (1)
Lens cap for the supplied lens (1)
Fixing screws for the cheek pad (3)
DC cable clamp and fixing screw (1 each)
Lithium battery (CR2032 for backup) (1)
Lithium battery (CR2025 for the IR Remote Commander) (1)
CD-ROM:
- Utility software (1)
- Operating instructions in PDF (1)
Operating instructions (1)
SxS Device driver software end-user license