

HVR-S270E

The HVR-S270E offers videographers a traditional "on-the-shoulder" feel with the benefits of increased camera stability and longer recording time of up to 4.5 hours with standard size cassettes.



❖ Standard-size Cassette Compatibility

A standard-size cassette tape provides approximately 4.5 hours of HDV/DV recording or approximately 3 hours of DVCAM recording. Of course, recording on a miniDV tape is still an option.



❖ HD/SD-SDI & Other Output Connectors

An HD/SD-SDI output connector provides embedded audio and TC data and can, for example, be linked up to an XDCAM HD deck.

BNC connectors provide secure cabling connections.



Rear panel



Connectors



Side panel

❖ Four-channel Audio Input

Four-channel audio recording is realised in HDV and DVCAM thanks to four XLR audio input connectors – two at the front, and two at the back.

❖ "Dual Finder" New LCD Position on EVF Unit

The new LCD position on the EVF (Electric View Finder) unit is currently only available on Sony's professional HDV shoulder-mount camcorders.

The HVR-S270E camcorder features a new configuration of a 3.2-inch type XtraFine LCD monitor (approximately 921,000 dots) and an XtraFine EVF (approximately 1,227,000 dots, 852x480x3 (RGB))* . The LCD is located on the EVF unit. This unique layout enables the camera operator to perform both traditional EVF monitoring and LCD monitoring, while the camcorder is held on the shoulder. The 180-degree tilt mechanism allows for LCD monitoring when the camcorder is held in a high or low-angle position. The 270-degree swivel mechanism will allow LCD monitoring from the front, right, or even left of the camcorder so that a reporter or a director can monitor what is being captured by the camcorder.

*When the camcorder is panned quickly or when an object in the screen moves quickly, the primary colours of R/G/B may be seen on the object in the EVF momentarily.



❖ BP Series Battery Compatible

V-LOCK professional BP batteries are another great feature in common with broadcast camcorders.

❖ Smooth Slow Rec

As with the HVR-Z7E, the HVR-S270E camcorder enables slow-motion playback by capturing images four times faster than the normal field rate (200 fields/s).

Specifications (HVR-Z7E,HVR-S270E)

		HVR-Z7E	HVR-S270E
Camera section			
Supplied Lens		Carl Zeiss Vario-Sonnar T* zoom lens, 12x (optical), f = 4.4 to 52.8 mm, f = 32.0 to 384 mm* at 16:9 mode f = 39.5 to 474 mm* at 4:3 mode, filter diameter: 72 mm	
Built-in filter		Clear, 1/4, 1/16, 1/64	
Imaging system		1/3-inch, progressive 3 ClearVid CMOS Sensor system with Exmor technology	
Picture elements		Approx. 1,037,000 pixels (effective), approx. 1,120,000 pixels (total)	
Focus		Auto, manual (focus ring/one push auto/infinity/AF assist/ focus macro)	
White balance		Auto, one-push auto (A/B positions), indoor (3200 K), outdoor (selectable level -7 to +7, approx. 500K/step), manual WB Temp (selectable 2300K to 15000K, 100K/step)	
Manual shutter speed	Auto	1/50 - 1/1750	
	Manual	50/25p: 1/3 - 1/10000	
Gain		-6, -3, 0, 3, 6, 9, 12, 15, 18, 21 dB	
Minimum illumination		1.5 lux (auto gain, auto iris, 1/25 shutter)	
VTR section			
Recording format		HDV1080/50i, DVCAM, DV SP 576/50i (PAL)	
Play out/Down conversion format		HDV1080/50i, DVCAM, DV SP 576/50i (PAL)	
Playback/Recording time	HDV/DV SP	Max. 63 min with PHDVM-63DM cassette	Max. 276min with PHDV-276DM Max. 63 min with PHDVM-63DM cassette
	DVCAM	Max. 41 min with PHDVM-63DM cassette	Max. 184min with PHDV-276DM Max. 41 min with PHDVM-63DM cassette
Input/Output connectors			
Audio/Video output		10-pin connector A/V OUT jack (composite, unbalanced audio x2ch with the supplied cable)	Composite video (BNCx1) Unbalanced audio (pin x2ch)
Component video output		Component out jack (special connector) BNC x3	
HDV/DV input/output		i.LINK interface (IEEE 1394, 6-pin)	
XLR audio input		XLR 3-pin female x 2ch	XLR 3pin female x 4ch
Headphone		Stereo mini jack (ø3.5 mm)	
LANC		Stereo mini-mini jack (ø2.5 mm)	
Digital video output		HDMI connector	HD/SD-SDI BNC x1
Built-in output devices			
LCD view finder		0.45-inch type (Viewable area measured diagonally), approx. 1,226,880 dots (852x480x3(RGB)), 16:9 aspect ratio	
LCD monitor		3.2-inch type (Viewable area measured diagonally), XtraFine LCD, approx. 921,600 dots, hybrid type, 16:9 aspect ratio	
General			
Mass		Approx. 2.4 kg (5 lb 4 oz) (w/ the supplied lens, w/o tape, battery)	Approx. 6.3kg (13 lb 15 oz) (w/ the supplied lens, w/o tape, BP-GL95battery)
Power requirements		DC 7.2 V (battery pack), DC 8.4 V (AC adaptor)	DC 12 V (battery pack), DC 14.4 V (AC adaptor)
Power consumption	HDV	Approx. 7.0 W (with ECM-XM1 / LCD EVF ON)	Approx. 12.2 W (with ECM-XM1 / EVF ON)
	DVCAM/DV	Approx. 6.8 W (with ECM-XM1 / LCD EVF ON)	Approx. 11.7 W (with ECM-XM1 / EVF ON)
Operating temperature		0 to 40 °C (32 to 104 °F)	
Storage temperature		-20 to +60 °C (-4 to 140 °F)	
Supplied accessories		AC-VQ1050 AC adaptor/charger, NP-F570 infoLITHIUM rechargeable battery pack, A/V connecting cable, component video cable, lens hood with lens cover, lithium battery (CR2025), shoe adaptor, large size eye-cup, additional normal shoe kit, RMT-831 wireless Remote Commander, ECM-XM1 monaural electret condenser microphone Operating instructions (CD-ROM) Printed operating instructions, memory recording unit kit	lens hood with lens cover, lithium battery (CR2025), large size eye-cup, additional normal shoe kit, ECM-XM1 monaural electret condenser microphone, Shoulder Belt, Operating instructions (CD-ROM), Printed operating instructions, memory recording unit kit
Supplied memory recording unit			
Recording media		CompactFlash card (2GB or bigger, 133x or faster) (not supplied)	
File system		FAT32	
File format	HDV	.M2T	
	DVCAM/DV	.AVI (DV-AVI, type 1) or .DV (Raw-DV)	
Connectors		special hot shoe i.LINK-6pin (on the supplied cradle) DC power input (on the supplied cradle) infoLITHIUM L series battery slot (on the supplied cradle)	

Specifications (HVR-M35E)

Recording/playback performance		
Recording format	HDV	HDV1080/60i, 1080/50i, 1080/24p, 1080/25p, 1080/30p
	DVCAM / DV SP	DVCAM, DV SP 480/60i (NTSC), 576/50i (PAL)
Playout format	HDV	HDV1080/60i, 1080/50i, 1080/24p, 1080/25p, 1080/30p, HDV720/24p, 720/25p, 720/30p
	DVCAM / DV SP	DVCAM, DV SP 480/60i (NTSC), 576/50i (PAL)
Playout video signal		1080/60i, 1080/50i, 480/60i (NTSC), 576/50i (PAL), 480/60P, 576/50P 720/60P, 720/50P
Tape speed	HDV/DV SP	Max. 18.812 mm/s
	DVCAM	Max. 28.218 mm/s
Playback/recording time	HDV/DV SP	Max. 276 min with PHDV-276DM cassette Max. 63 min with PHDVM-63DM cassette
	DVCAM	Max. 184 min with PHDV-276DM cassette Max. 41 min with PHDVM-63DM cassette
Fast forward/rewind time		Approx. 2 min with PHDV-276DM cassette
Input/output connectors/devices		
Video input/output		BNCx1 / BNCx1
Monitor video out		RCA pin x1
S-video input/output		Mini-DIN 4-pin x1 / Mini-DIN 4-pin x1
Component video output		BNC x 3
i.LINK interface (HDV /DV)		6-pin (no power)

HD/SD-SDI output	BNC x1
Audio input	RCA pin x 4ch
Audio output	XLR 3pin x 4ch
Monitor audio out	RCA pin x 1
AES/EBU output	BNC x2
TC out	BNC x1
Phones	Stereo minijack (ø3.5 mm)
LANC	Stereo mini-minijack (ø2.5 mm)
Control S input	Stereo minijack (ø3.5 mm)
LCD monitor	2.7-inch type (Viewable area measured diagonally), approx. 211,200 dots (960 x 220), Clear Photo™ LCD Plus
General	
Weight	Approx. 9 lb 12 oz (4.4 kg)
Dimension (WxHxD)	Approx. 212 x 88 x 390.3mm (8 3/8 x 3 1/2 x 15 3/8 inch)
Power requirements	AC 120 V, 60 Hz
Power consumption	16 W (playback mode with LCD monitor on)
Operating temperature	41 to 104 °F (5 to 40 °C)
Storage temperature	-4 to 140 °F (-20 to +60 °C)
Supplied accessories	Remote Commander Unit (1), power cord (1), size AA batteries (2), cleaning cassette (1), operating instructions (1)