

## Specifications (HVR-Z7P,HVR-S270P)

		HVR-Z7P	HVR-S270P	
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 technology of Exmor		
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	50I/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 (852x3(RGB)x480), 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)	0 to 40 °C (32 to 104 °F)	
Storage temperature		-20 to +60 °C (-4 to 140 °F)	-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 electolet condenser microphone Operating instructions (CD-ROM) Printed operating instructions, HVR-MRC1 memory recording unit kit	lens hood with lens cover, large size eye-cup, additional normal shoe kit, ECM-XM1 monaural electolet condenser microphone, Shoulder Belt, Operating instructions (CD-ROM), Printed operating instructions, HVR-MRC1 memory recording unit kit	
Supplied memory recording unit (HVR-MRC1)				
Recording media		CompactFlash card (2GB or bigger, 133x or faster)		
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-M35P)

<b>Recording/playback performance</b>		
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
<b>Input/output connectors/devices</b>		
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
<b>General</b>	
Weight	Approx. 9 lb 12 oz (4.4 kg)
Dimention (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	5 to 40 °C (41 to 104 °F)
Storage temperature	-20 to +60 °C (-4 to 140 °F)
Supplied accessories	Remote Commander Unit (1), power cord (1), size AA batteries (2), cleaning cassette (1), operating instructions (1)