



HXRNX5U
Professional AVCHD
hand-held camcorder.

\$4,950.00

U.S.List Price

Overview

The new HXR-NX5U camcorder is the first product of the Sony NXCAM generation, and a new category of tapeless memory camcorder, providing an ideal balance of power and performance in the digital age.

Utilizing the revolutionary AVCHD format, this camcorder offers long duration recording - with dual memory slots - on affordable consumer memory cards. As it facilitates a totally IT-based workflow, the HXR-NX5U has the potential to profoundly change the way content is created. Simultaneous hybrid recording is available in HD and SD formats, using the optional HXR-FMU128 flash memory unit.

In any format, breathtaking picture quality is assured with proven features such as a state-of-the-art G Lens and three Exmor CMOS sensors with a ClearVid array. Professionals expect this standard of picture quality from Sony ... and accept nothing less.

Highlights

- * Three, 1/3-inch High Definition Exmor sensors.
- * Linear 16-bit 48KHz PCM or Dolby AC3 audio recording.
- * Wide angle 20x Sony G-Lens captures fine detail and image texture; even on the corners of the image.
- * SMPTE Time Code In/Out Connector
- * Built-in GPS Geo-Tagging Function
- * HXR-FMU128 optional flash HDD records for 11 hrs.
- * 60i and 50i switchable via WorldCam paid upgrade.
- * Optional 3 or 5 year Extended Warranty available
- * 10-bit 4:2:2HD SD-SDI & HDMI outputs.

Features

Features	Benefits
G Lens	"G Lens", the lens featured in other successful Sony camcorders, already enjoys an excellent industry reputation. In the HXR-NX5U, this sophisticated lens is optimized to complement the camcorder's advanced image sensor and image-processing technology.
Exmor™ CMOS Sensors	Three Exmor CMOS sensors with a ClearVid array comprise a state-of-the-art sensor system from Sony which realizes high resolution, high sensitivity, a wide dynamic range, and excellent color reproduction, regardless of the codec.
Memory Recording and HYBRID	Memory recording on affordable consumer memory cards offers workflow efficiency at both the shooting and editing stages. Combined with hybrid recording, using an optional HXR-FMU128, the user achieves a totally IT-based workflow, with the added bonus of instant data backup.
GPS	A built-in global positioning system (GPS) locator allows satellite navigation data to be recorded directly onto footage for reference or posting on popular internet mapping systems. GPS data can be invaluable when searching for footage or to provide evidence of where and when footage was recorded.
Active SteadyShot Feature	Active SteadyShot® feature is a new, enhanced image stabilization system that provides a powerful shake-reduction capability, vital for handheld usage. Additional stabilization is provided by the increased optical lens coverage area and by improved detection with state-of-the-art compensation

AVCHD™ Format

The revolutionary AVCHD recording format, which utilizes the MPEG-4, AVC/H.264 video codec, allows users to record HD video footage onto random access media. Its intelligent and sophisticated algorithm makes AVCHD a highly efficient compression format ideal for memory recording and IT-based editing.

Specifications

Camera Section Specifications	Detail
Built-in Optical Filters	Clear 1/4 1/16 1/64
Effective Picture Elements	Approx. 1,037,000 pixels with ClearVid array
Gain Selection	-6 -3 0 3 6 9 12 15 18 21 dB AGC
Minimum Illumination	1.5 lx (auto gain, auto iris, 1/30 shutter)
Shutter Speed (Time)	Auto, Manual 60i/30p: 1/4-1/10,000, 24p: 1/3-1/10,000 sec.
Slow & Quick Motion Function	120 fps (fixed) as improved Smooth Slow Rec.
Slow Shutter	1/4 sec. 1/8 sec. 1/15 sec. 1/30 sec.
General Specifications	Detail
Audio Recording	HD: Linear PCM 2ch, 16bit, 48kHz / Dolby Digital 2ch, 16bit 48kHz SD: Dolby Digital 2ch, 16bit, 48kHz
Mass	(w/Lens hood with Lens cover) 2.2 kg (4 lb 15 oz) (w/NP-F570 Battery, Lens hood with Lens cover, large eyecup, ECM-XM1, Memory card) 2.5 kg (5 lb 7 oz) (w/NP-F770 Battery, Lens hood with Lens cover, large eyecup, ECM-XM1, Memory card) 2.6 kg (5 lb 11 oz) (w/NP-F970 Battery, Lens hood with Lens cover, large eyecup, ECM-XM1, Memory card) 2.7 kg (5 lb 14 oz)
Operating Temperature	0 to +40 deg C (+32 to +104 deg F)
Power Consumption	ECM-XM1 and LCD with normal brightness 7.7W (When Flash Memory Unit HXR-FMU128 is used, the average power consumption increases about 1.1W).
Power Requirements	AC adaptor / Battery 8.4V / 7.2V
Recording Frame Rate NTSC Mode	AVCHD FX (24Mbps) 1920x1080/60i AVCHD FH (17Mbps) 1920x1080/60i AVCHD HQ (9Mbps) 1440x1080/60i AVCHD LP (5Mbps) 1440x1080/60i AVCHD FX (24Mbps) 1920x1080/24p AVCHD FH (17Mbps) 1920x1080/24p AVCHD FX (24Mbps) 1920x1080/30p AVCHD FH (17Mbps) 1920x1080/30p AVCHD FX (24Mbps) 1280x720/60p AVCHD FH (17Mbps) 1280x720/60p MPEG2 SD HQ (9Mbps) 720x480/60i MPEG2 SD HQ (9Mbps) 720x480/60i (24p Scan) MPEG2 SD HQ (9Mbps) 720x480/60i (30p Scan)
Recording Media	Memory Stick PRO Duo Memory Stick PRO Duo (High Speed) Memory Stick PRO Duo (Mark2) Memory Stick PRO-HG Duo Memory Stick PRO-HG Duo HX

Recording/Playback Time	170 min (2h 50m) with 32GB Memory Stick PRO-HX Duo FX (24Mbps) Linear PCM 2ch recording	
Storage Temperature	-20 to +60 deg C (-4 to +140 deg F)	
Video Recording Format	HD: MPEG-4 AVC/H.264 (AVCHD) SD: MPEG-2 PS	
Included Lens Specifications		
		Detail
Focal Length	f = 4.1 to 82.0 mm (equivalent to f = 29.5 to 590 mm at 16:9 mode, f = 36.1 to 722 mm at 4.3 mode on 35 mm lens)	
Zoom Ratio Selectable	Sony G Lens, 20x (optical), 1.5x Digital Extender	
Inputs and Outputs Specifications		
		Detail
Audio In	XLR 3-pin (female) (x2) line/mic/mic +48 V selectable	
Audio Out	RCA type (CH-1, CH-2)	
Component Out	RCA type (x3) via A/V multi connector	
Composite Video Out	RCA type (x1)	
DC In	Power cord	
Remote	Yes	
S-Video Out	N/A (optional VMC-15FS is required.)	
SDI Out	BNC (x1) HD-SDI/SD-SDI selectable	
USB	Mini-B (x1)	
Monitoring Specifications		
		Detail
Built-in LCD Monitor	3.2 inch-type, XtraFine LCD, approximately 921,600 dots, hybrid type, 16:9 aspect ratio	
Viewfinder	0.45 inch-type approximately 1,226,880 dots (852 x 3(RGB) x 480), 16:9 aspect ratio	
Accessories		
Supplied Accessories		
Model:	Description:	U.S.List Price
	AC Adapter/Charger AC-VL1	Pricing available upon request
	Rechargeable Battery Pack NP-F770	Pricing available upon request
	Connecting Cord DK-415	Pricing available upon request
	Microphone ECM-XM1	Pricing available upon request
	Remote Commander RMT-845	Pricing available upon request
	Component video cable	Pricing available upon request
	A/V connecting cable	Pricing available upon request
	USB cable	Pricing available upon request
	Large eyecup	Pricing available upon request
	Lens hood with lens cover	Pricing available upon request
	Accessory shoe kit	Pricing available upon request
	Lithium battery	Pricing available upon request
	Lithium clock (installed)	Pricing available upon request
	Application software (CD-ROM)	Pricing available upon request
Optional Accessories		
Model:	Description:	U.S.List Price
HVLLBPB	High Power LED Video Light	\$622.00
VCLHG0872K	Wide Conversion Lens	\$880.00
VCTSP2BP	Camcorder Support	\$520.00
HXRFMU128	Flash Memory Unit	\$800.00

Resources

Brochure

Description:	Release Date	Type/Size
HXR-NX5U Digital HD Video Camera Recorder		pdf / 4,521K

Product Brochure

Description:	Release Date	Type/Size
VCT-SP2BP / VCT-SP1BP Camcorder Support		pdf / 1,161K

Support & Training

Service

Model:	Description:	U.S.List Price
SPSCAM10RSEW5	5 Year Extended Warranty for Camcorders with list to \$10,000	\$339.99
SPSCAM10RSEW3	3 Year Extended Warranty for Camcorders with list to \$10,000	\$169.99