

HXR-NX80

1.0 type Exmor RS™ CMOS sensor palm-sized NXCAM camcorder with XAVC S, Fast Hybrid AF, & Instant HDR Workflow



Specifications

General	
Mass	Approx 955 g (with lens hood, eyecup) Approx. 2 lb 1.7 oz (with lens hood, eyecup) Approx. 1320g (with lens hood, handle, eyecup, NP-FV70A battery) Approx. 2lb 14.6oz (with lens hood, handle, eyecup, NP-FV70A battery)
Dimensions (W x H x D)	121.0mm×104.0mm×274.5mm (With the accessories (lens hood, large eyecup), excluding the grip belt and including the projecting parts) 4 7/8 x 4 1/8 x 10 7/8 inches (With the accessories (lens hood, large eyecup), excluding the grip belt and including the projecting parts) 130.0x181.5x287.0 mm (With the accessories (lens hood, large eyecup, XLR handle unit), excluding the grip belt and including the projecting parts) 5 1/8 x 7 1/4 x 11 3/8 inches (With the accessories (lens hood, large eyecup, XLR handle unit), excluding the grip belt and including the projecting parts)
Power Requirements	DC In: 8.4V Battery: 7.4V
Power Consumption	Approx. 5.7 W (while recording with viewfinder and XAVC S 4K 2160/30p 60Mbps) Approx. 6.1 W (while recording with LCD and XAVC S 4K 2160/30p 60Mbps)
Operating Temperature	0°C to 40°C 32°F to 104°F
Storage Temperature	-20°C to +60°C -4°F to +140°F
	Approx. 155min. with NP-FV70A battery (while recording with LCD, XAVCS 4K 2160/30p, 60Mbps)

Battery Operating Time	Approx. 265 min. with NP-FV70A battery (while playing with LCD, XAVCS 4K 2160/30p, 60Mbps)
Recording Format (Video)	XAVC S 4K : MPEG-4 AVC/H.264 4:2:0 Long profile
	XAVC S HD : MPEG-4 AVC/H.264 4:2:0 Long profile
	XAVC S Proxy: MPEG-4 AVC/H.264 4:2:0 Long profile AVCHD : MPEG-4 AVC/H.264 AVCHD 2.0 format compatible
Recording Format (Audio)	XAVC S 4K : Linear PCM 2ch 16bit, 48kHz XAVC S HD : Linear PCM 2ch, 16bit, 48kHz XAVC S Proxy : Linear PCM 2ch, 16bit, 48kHz AVCHD : Linear PCM 2ch, 16bit, 48kHz / Dolby Digital 2ch, 16bit, 48kHz
Recording Frame Rate	XAVC S 4K (3840 x 2160) @29.97p, 25p, 23.98p 100Mbps/60Mbps XAVC S HD (1920 x 1080) @120p, 100p 100Mbps/60Mbps XAVC S HD (1920 x 1080) @59.94p, 50p 50/25Mbps XAVC S HD (1920 x 1080) @29.97p, 25p 50/16Mbps XAVC S HD (1920 x 1080) @23.98p 50Mbps XAVC S Proxy (1280 x 720) @59.94p, 50p, 29.97p, 25p, 23.98p 9Mbps XAVC S Proxy (1280 x 720) @59.94p, 50p, 29.97p, 25p, 23.98p 3Mbps AVCHD (1920 x 1080)@59.94p, 50p, PS mode (28 Mbps) AVCHD (1920 x 1080) @59.94i/50i FX mode (24 Mbps) FH mode(17 Mbps) AVCHD (1920 x 1080) @29.97p/25p/23.98p, FX mode (24 Mbps) AVCHD (1440 x 1080) @59.94i, 50i LP mode (5Mbps) AVCHD (1280 x 720) @59.94p, 50p, HQ mode (9 Mbps)
Recording/Playback Time	XAVC S 4K, HD @LPCM 2ch 100 Mbps Approx. 75 min with 64 GB memory card XAVC S 4K, HD @LPCM 2ch 60 Mbps Approx. 125 min with 64 GB memory card XAVC S HD @LPCM 2ch 50 Mbps Approx. 150 min with 64 GB memory card XAVC S HD @LPCM 2ch 25 Mbps Approx. 300 min with 64 GB memory card XAVC S HD @LPCM 2ch 16 Mbps Approx. 465 min with 64 GB memory card AVCHD @LPCM 2ch PS Mode Approx. 305 min with 64 GB memory card AVCHD @LPCM 2ch FX Mode

	Approx. 360 min with 64 GB memory card AVCHD @LPCM 2ch FH Mode Approx. 495 min with 64 GB memory card AVCHD @LPCM 2ch HQ Mode Approx. 880 min with 64 GB memory card
Recording/Playback Time (cont)	AVCHD @LPCM 2ch LP Mode Approx. 1540 min with 64 GB memory card

Lens	
Lens Mount	Fixed
Zoom Ratio	12x (optical), servo
Focal Length	f=9.3 - 111.6mm equivalent to f=29.0 - 348.0mm on 35 mm lens(16:9) equivalent to f=32.8 - 393.6mm on 35mm lens(3:2)
Iris	F2.8 - F4.5 auto/manual selectable
Focus	AF/MF selectable, 10 mm to ∞ (Wide), 1000 mm to ∞ (Tele)
Image Stabilizer	ON/OFF selectable, shift lens
Filter Diameter	M62 mm

Camera Section	
Imaging Device (Type)	1.0-type (13.2mm x 8.8mm) back-illuminated Exmor RS CMOS sensor
Effective Picture Elements	Approx.14.2M pixels (16:9) / Approx.12.0M pixels (3:2)
Built-in Optical Filters	OFF: Clear, 1 : 1/4ND, 2: 1/16ND, 3: 1/64ND
Minimum Illumination	Standard [60i] 3lux(1/60 Shutter Speed, gain 33dB) Standard [50i] 3lux(1/50 Shutter Speed, gain 33dB) LowLux [60i] 1.7lux(1/30 Shutter Speed, gain 33dB) LowLux [50i] 1.7lux(1/25 Shutter Speed, gain 33dB)
Shutter Speed	[60i]: 1/8 - 1/10,000 (1/6 - 1/10,000 when shooting with 24p) (1/125 - 1/10,000 when shooting with 120p) [50i]: 1/6 - 1/10,000 (1/100 - 1/10,000 when shooting with 100p) [60i]:2160p:Frame rate selectable 1,2,4,8,15,30fps [50i]:2160p:Frame rate selectable

Slow & Quick Motion Function	1,2,3,6,12,25fps [60i]:1080p:Frame rate selectable 1,2,4,8,15,30,60,120fps [50i]:1080p:Frame rate selectable 1,2,3,6,12,25,50,100fps
Super Slow Motion	[60i]1080p:Frame rate selectable 240,480,960fps [50i]:1080p:Frame rate selectable 250,500,1000fps
White Balance	Preset (Indoor:3200K, Outdoor:5600K ± 7 steps, Color temperature set range:2300-15000K) One push A, B, Auto selectable
Gain	-3, 0, 3, 6, 9, 12,15, 18, 21, 24, 27, 30, 33 dB, AGC
Gamma Curve	Selectable

Input/Output

Audio Input	XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable
Video Output	Integrated into Multi/Micro USB jack (×1), Composite 1.0Vp-p, 75Ω
Audio Output	Integrated into Multi/Micro USB jack
USB	Multi/Micro USB jack (x1)
Headphone Output	Stereo mini jack (x1)
Speaker Output	Monaural
DC Input	DC jack
Remote	Integrated into Multi/Micro USB jack, Stereo mini-mini jack (Φ2.5mm)
HDMI Output	Type A (x1)

Monitoring

Viewfinder	1.0cm (0.39 type) OLED Approx. 2.36M dots
LCD	8.8cm (3.5 type) Approx. 1.56M dots

Built-in Microphone

Built-in Microphone	Omni-directional stereo electret condenser microphone
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Media

Type	Memory Stick Pro Duo™ and SD/SDHC/SDXC compatible x1 SD/SDHC/SDXC x1
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Wi-Fi/NFC

Supported format	IEEE 802.11 b/g/n
Frequency band	2.4 GHz bandwidth
Security	WEP/WPA-PSK/WPA2-PSK
NFC	NFC Forum Type 3 Tag compliant

Supplied Accessories

Supplied Accessories	<ul style="list-style-type: none"> XLR handle unit (1) Lens hood (1) Lens cap (1) Large eyecup (1) Accessory shoe kit (1) USB cable (1) Rechargeable battery pack (NP-FV70A) (1) AC Adaptor (AC-L200D) (1) Power cord (mains lead) (1) Wireless Remote Commander (RMT-845) (1) Lithium battery (CR2025 for the Wireless Remote Commander) (1), Pre-installed to the Wireless Remote Commander Operating Guide (2) CD-ROM "Manuals for Solid-State Memory Camcorder" (1) Warranty (1)
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Notes

*	<ul style="list-style-type: none"> [60i]: when [60i/50i SEL] is set to 60i [50i]: when [60i/50i SEL] is set to 50i
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Product contains pre-installed software

This product contains pre-installed software and requires the purchase of licence keys to activate some functions.

Related products



MCX-500
Multi-Camera Live Producer

Gallery

