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 3/8inches (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
Battery Operating Time	Approx. 155min. with NP-FV70A battery (while recording with LCD, XAVCS 4K 2160/30p, 60Mbps) Approx. 265 min. with NP-FV70A battery (while playing with LCD, XAVCS 4K 2160/30p, 60Mbps)
	XAVC S 4K : MPEG-4 AVC/ H.264 4:2:0 Long profile XAVC S HD : MPEG-4 AVC/

Recording Format (Video)	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	Approx.14.2M pixels (16:9) /

Elements	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)	
Slow & Quick Motion Function	[60i]:2160p:Frame rate selectable 1,2,4,8,15,30fps [50i]:2160p:Frame rate selectable 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 temparature 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

Streaming

Protocol	AVC / RTMP / RTMPS 1280x720 at 3Mbps 640x360 at 1Mbps

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

Media

Type	Memory Stick Pro Duo™ and SD/SDHC/SDXC compatible x1 SD/SDHC/SDXC x1

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	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 Camcorderr" (1) Warranty (1)

Notes

*	[60i]: when [60i/50i SEL] is set to 60i [50i]: when [60i/50i SEL] is set to 50i

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