



HXRNX3/1
 NXCAM Full HD
 3CMOS Hand-held
 Camcorder.

\$3,375.00

U.S.List Price

UPC: 027242884632

Overview

The HXR-NX3/1 is a replacement model of the HXR-NX3 with battery and charger supplied. It is a professional camcorder that features G Lens with three control rings, four steps of ND Filters, and switch-type WB presets and gain settings to provide the common operability of conventional professional handheld camcorders. The HXR-NX3/1 incorporates three 1/2.8" type Exmor™ CMOS sensors for outstanding image quality. Dual media slots allow simultaneous or relay recording in AVCHD 2.0 (up to 1080/60p) format. There is also a Slow & Quick Motion feature that achieves smooth 2.5x slow motion when recording at 24p or 60x quick motion when 1 frame per second is recorded in 60p. In addition to the 20x optical zoom, Clear Image Zoom with Super Resolution Technology provides an extended 40x zoom range with excellent clarity and detail and virtually no effective pixel loss. A built-in LED light, Wi-Fi/NFC remote control capability, and a larger 3.5 inch LCD panel for enhanced viewing add to the versatility of this multi-purpose camcorder, putting the finishing touches on an advanced system that offers unprecedented video recording freedom.

Highlights

- * Three 1/2.8" type Full HD Exmor CMOS sensors
- * High Performance Sony G Lens with 20x optical zoom (28.8-576mm on 35mm equivalent)
- * 40x Clear Image Zoom (20x optical zoom and 2x Clear Image Zoom)
- * AVCHD 2.0 (1080/60p) and DV recordings
- * Slow and quick motion options at Full HD
- * Wi-Fi/NFC (Near Field Communication) with PlayMemories™ Mobile remote control
- * Built-in LED light
- * NP-F770 InfoLithium L Series Rechargeable Battery Package supplied.
- * Battery Charger / AC adapter supplied.
- * XAVC S recording (version 2.00)

Features

Features	Benefits
Full HD Sony sensor for impressive imagery	The 1920x1080 full HD three Exmor CMOS sensors system provides a 2.07 million effective pixel count in a 16:9 aspect ratio. Red, blue, and green light are independently and accurately captured by separate image sensors, contributing to high resolution, high sensitivity, and wide dynamic range that translate to extraordinarily natural colour reproduction
High performance Sony G lens with 40x zoom range	Provides 28.8mm (35mm full-frame format equivalent) angle of view at the wide end. 20x optical zoom plus Clear Image Zoom provides total 40x zoom range. Clear Image Zoom offers effectively no quality loss and no pixel loss, with 2M full resolution kept using Super Resolution Technology.
AVCHD 2.0 (1080/60p) and DV recordings	HD video is recorded in AVCHD 2.0 format with a high 60 fps frame rate that achieves smooth, natural subject motion. 60i and 24p modes provide playback compatibility with Blu-ray players. The camcorder can also record in DV standard definition.
Slow and quick motion options at Full HDs	2x slow motion can be easily achieved by setting the recording format to 30p and the frame rate to 60 fps. If you'd rather speed up the action the frame rate can be set to 1 fps for 60x quick motion.
Excellent low light	Minimum illumination of 1.2lux (1/30) or 1.0 lux (1/25)

recording	
WiFi/NFC (Near Field Communication) with PlayMemories™ Mobile remote control*	<p>The HXR-NX3/1 can be remotely controlled from a smartphone or tablet computer (iOS 4.3 through 7.0 or Android 2.3 through 4.3) via a WiFi connection, and recorded video files can be transferred from camcorder to smartphone in MP4 format**. One-touch authentication is also possible with smartphones that offer NFC connectivity. Remote control features include monitoring of camera material on the smartphone display, record start/stop, zoom, aperture, and touch AF. The required PlayMemories Mobile smartphone application can be downloaded from the Google Play Store or App Store.</p> <p>\ * WiFi operation cannot be guaranteed with all smartphones and tablet computers. ** The HXR-NX3 allows simultaneous MP4 + AVCHD recording except for the 1080/60P.</p>

Specifications

AVCHD Recording Modes (1080 59.94i) Specifications	Detail
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HD-FH	17Mbps (1920x1080@59.94i/29.97P/23.98P, 1280x720@59.94p)
HD-FX	24Mbps (1920x1080@59.94i/29.97P/23.98P, 1280x720@59.94p)
HD-HQ	9Mbps (1440x1080@59.94i, 1280x720@59.94p)
HD-LP	5Mbps (1440x1080@59.94i)
PS	28Mbps (1920x1080@59.94P)

Audio Recording Specifications	Detail
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Audio Recording Modes	Linear PCM 2ch, 16bit, 48kHz / Dolby Digital 2ch, 16bit, 48kHz
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Camera Specifications	Detail
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Imaging Device	3-chips 1/2.8 type "Exmor" CMOS Sensor
LCD Screen	3.5-inch type color LCD monitor: approx. 921000 effective pixels, 640 (H) x 3 (RGB) x 480 (V), 16:9
Microphone	Omni-directional stereo electret condenser microphone
Optics/Lens Lens Type	Fixed lens Mount(Is this data possible ?)
Splash-proof	No
Video Signal	NTSC color, EIA standards HDTV 1080/60i, 1080/60p, 720/60p specification. PAL color, CCIR standards HDTV 1080/50i, 1080/50p, 720/50p specification.

Camera Section Specifications	Detail
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Built-in Optical Filters	Clear 1/4ND (2 stops) 1/16ND (4 stops) 1/64ND (6 stops)
Effective Picture Elements	1920 (H) x 1080 (V)
Gain Selection	-6 -3 0 3 6 9 12 15 18 21 24 27 30 dB AGC
Minimum Illumination	60i : 1.2lux(1/30 Shutter Speed, iris/gain Auto) 60i : 0.6lux(1/30 Shutter Speed, iris Auto, gain 30dB)
Optical System	Please provide data for this field.
Pickup Device	Exmor CMOS Sensor (Is this data possible?)

Shutter Speed (Time)	NTSC mode: 1/4 to 1/10000 (1/3 - 1/10000 when shooting with 24p); PAL mode: 1/3 to 1/10000
Slow & Quick Motion Function	Full HD 1920 x 1080 recording. NTSC mode: 1, 2, 4, 8, 15, 30, and 60fps PAL mode: 1, 2, 3, 6, 12, 25, and 50fps
Exmor R Image Sensor Specifications	Detail
Pixel Gross	Gross: Approx. 2 410 000 pixels; Effective (movie, 4:3 mode); Approx. 1 560 000 pixels
Sensor	6.4 mm (1/2.8 type) Exmor 3CMOS sensor
General Specifications	Detail
Audio Proxy	AAC 2ch, 16bit, 48kHz
Audio Recording	Linear PCM 2ch (48 kHz 16-bit) in DV mode only. Dolby Digital 2ch (48 kHz 16-bit) Dolby Digital Stereo Creator employed
Continuous Operating Time	Approx. 410 min with NP-F770 battery (video light Off) Approx. 265 min with NP-F770 battery (video light On)
Dimensions (W x H x D)	Approx. 174.5 x 193 x 393 mm, 6_7/8 x 7_5/8 x 15_1/2 inches (with lens hood, eye piece. and protrusion)
Mass	approx. 4 lb 14 oz (with lens hood) approx. 5 lb 10oz (with lens hood, eyecup, and NP-F970 battery)
Operating Temperature	32°F to 104°F (0°C to 40°C)
Power Consumption	- approx. 6.4 W (with XLR mic while recording, EVF On, video light Off) - approx. 6.9 W (with XLR mic while recording, LCD monitor On, video light Off)
Power Requirements	7.2V (battery pack) 8.4V (AC Adaptor)
Proxy Video	MPEG-4 AVC/H.264 3.5Mbps MP4 - Video: 1280 x 720/30p, 24p, 16:9 - Audio: AAC 2ch, 16bit, 48kHz
Recording Frame Rate NTSC Mode	HD PS(28Mbps) 1920 x 1080/60P, 16:9 FX(24Mbps) 1920 x 1080/60i, 30p, 24p, 16:9, 1280 x 720/60p, 16:9 FH(17Mbps) 1920 x 1080/60i, 30p, 24p, 16:9, 1280 x 720/60p, 16:9 HQ(9Mbps) 1440 x 1080/60i, 16:9 1280 x 720/60p, 16:9 LP(5Mbps) 1440 x 1080/60i, 16:9 SD DV(25Mbps) 720 x 576/60i, 16:9, 4:3 MP4 MP4(3.5Mbps) 1280 x 720/30p, 24p, 16:9
Recording Frame Rate PAL Mode	HD PS(28Mbps) 1920 x 1080/50P, 16:9 FX(24Mbps) 1920 x 1080/50i, 25p, 16:9, 1280 x 720/50p, 16:9 FH(17Mbps) 1920 x 1080/50i, 25p, 16:9, 1280 x 720/50p, 16:9 HQ(9Mbps) 1440 x 1080/50p, 16:9 1280 x 720/50p, 16:9 LP(5Mbps) 1440 x 1080/50i, 16:9 SD DV(25Mbps) 720 x 576/50i, 16:9, 4:3 MP4 MP4(3.5Mbps) 1280 x 720/25p, 16:9
Recording Media	Memory Stick PRO Duo (not recommended for the standard definition image quality (DV) and S&Q recording) SD card - AVCHD recording: Class 4 or faster is recommended - DV recording: Class 6 or faster is recommended - S&Q recording: Class 10 or faster is recommended
Recording/Playback Time	Approx.290min(SD 64GB, PS, LPCM) Approx.340min(SD 64GB, FX, LPCM) Approx.450min(SD 64GB, FH, LPCM)
Storage Temperature	-4°F to +140°F (-20°C to +60°C)
Video Recording Format	HD image quality: MPEG-4 AVC / H.264 AVCHD format Ver. 2.0 compatible SD image quality: DV standard compatible
Weight	Approx 4 lb 14 oz (with lens hood) Approx. 5lb_10oz (with lens hood, eyecup, NP-F970 battery)
Included Lens Specifications	Detail
Focal Length	f=4.1 mm - 82.0 mm (3/16 in. - 3 1/4 in.) when converted to a 35 mm still camera 28.8 mm - 576 mm (1 3/16 in. - 22 3/4 in.) (16:9 mode) 35.2 mm - 705 mm (1 7/16 in. - 27 7/8 in.) (4:3 mode)

Focus	Auto/Manual selectable
Image Stabilizer	ON/OFF selectable, shift lens
Iris	F1.6 - F3.4 (auto/manual selectable)
Inputs and Outputs Specifications	Detail
AES/EBU Input	Please provide data for this field.
Active Interface Shoe	Please provide data for this field
Audio In	XLR 3-pin female (2) - MIC: -48 dBu/3 k (kilohms) - LINE: +4 dBu/10 k (kilohms) (0 dBu = 0.775 Vrms)
Audio Out	RCA type (CH-1, CH-2)
Component Out	HDMI Type A (x1) (Is this data possible?)
Composite Video Out	BNC x1
DC In	Power cord
DC Out	Please provide data for this field.
Digital Audio/Video Output(s)	HDMI connector - Type A (1)
Earphone	Stereo mini jack 3.5mm (x1)
Genlock In	Please provide data for this field.
Gigabit Ethernet	Please provide data for this field.
Lens Connector	Please provide data for this field.
Light	Yes/ Built-in LED Light (Is this data possible?)
MIC In	XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable(Is this data possible?)
Remote	Stereo mini-minijack (Ø 2.5 mm) partially LANC compatible
S-Video Out	Please provide data for this field.
SDI In	Please provide data for this field.
SDI Out	Please provide data for this field.
TC In	Please provide data for this field.
TC Out	Please provide data for this field.
Test Out	Please provide data for this field.
USB	mini-AB USB2.0 Hi-speed/mass-storage/Host
i.LINK	Please provide data for this field.
Lens Specifications	Detail
Lens Mount	fixed lens
Monitoring Specifications	Detail
Built-in LCD Monitor	3.5" type LCD (640 x 3[RGB] x 480, 16:9)
Viewfinder	0.45" type Color LCD (852 X 3[RGB] X 480 equivalent, 16:9)

Accessories

Supplied Accessories

Model:	Description:	U.S.List Price
	Lens hood (1), pre-installed to the camcorder.	Pricing available upon request
	Viewfinder eyepiece (1)	Pricing available upon request
	Infrared Remote Commander (1)	Pricing available upon request
	Lithium battery (CR2025 for the IR Remote Commander) (1)	Pricing available upon request
	NP-F770 InfoLithium Rechargeable Battery (1)	Pricing available upon request
	Battery Charger	Pricing available upon request

	AC Adapter	Pricing available upon request
	Power cord	Pricing available upon request
	COLD SHOE KIT(1)	Pricing available upon request
	CD-ROM	Pricing available upon request
	Operating instructions in PDF (1)	Pricing available upon request
	Operating instructions (1)	Pricing available upon request
	*Shotgun microphone is not supplied.	Pricing available upon request

Optional Accessories

Model:	Description:	U.S.List Price
VCLHG0872K	Wide Conversion Lens	\$880.00
ACCL1BP	Power supply & fast dual charger for HDV and NXCAM camcorders using L series batteries.	\$280.00
UWPD12/30	Handheld Mic TX and Portable RX Wireless System	\$799.99
RM1BP	Remote Commander	\$257.50
UWPD11/30	Lav Mic, Bodypack TX and Portable RX Wireless System	\$799.99
ECMVG1	Shotgun Microphone	\$260.00
UWPD16/30	Lav Mic, Bodypack TX, Plug-on TX and Portable RX Wireless System	\$1,029.99
VCTSP2BP	Camcorder Support	\$520.00
ECMMS2	Stereo Microphone	\$375.00
2NPF970/B	InfoLithium L Series Rechargeable (2) Battery Package	\$250.00

Resources

Brochure

Description:	Release Date	Type/Size	
HXR-NX3/1 NXCAM 3CMOS Handheld Camcorder		pdf / 5,944K	Download now
XDCAM/NXCAM Camcorder Family Brochure		pdf / 4,882K	Download now

Product Manual

Description:	Release Date	Type/Size	
HXR-NX3/1 manual for firmware version 2.00		pdf / 848K	Download now