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HXR-NX30E

1/2.88-inch Exmor R CMOS sensor ultra-compact NXCAM camcorder recording full HD with Balanced Optical SteadyShot™

Palm-sized camcorder with outstanding picture quality

The HXR-NX30 is an ultra-compact, palm-sized, professional NXCAM camcorder compatible with the latest full HD formats including 1080/50p video. It features a 26.0mm ultra wide-angle lens with 10x optical zoom (35mm equivalent: 26-260mm) and a back-illuminated 1/2.88-inch type Exmor R CMOS sensor for outstanding versatility.
Like other NXCAM camcorders, it comes with the features professional users demand, including flexible timecode/user bit settings and XLR audio inputs for high reliability and high sound quality.**Advanced image stabilisation**One of the HXR-NX30E's biggest advantages is the Balanced Optical SteadyShot™ image stabilization system. This allows the entire optical block, from the lens to the image sensor, to "float" and absorb movement from the body. The result is extremely effective image stabilization even when zooming in, something previously difficult to achieve, providing handheld shooting with a new level of image stability.
Built-in projector to view rushesA built-in projector can project images up to 100 inches wide (when projecting 5m from a screen), enabling production crew to easily check the rushes at the end of the shoot.
PrimeSupportThis product comes with PrimeSupport – fast, hassle-free repairs and a helpline offering expert technical advice. Which gives you the peace of mind that Sony is looking after your equipment, and your business.

Features

Ultra wide-angle 26.0mm Carl Zeiss Vario-Sonnar T* lens
The HXR-NX30E comes with a 26.0mm Carl Zeiss Vario-Sonnar T* lens that suppresses unwanted reflections to assure faithful colour reproduction. It also provides high contrast and high image quality with exceptional resolution from 26.0mm wide angle to 260mm telephoto (35mm equivalent). Thanks to the 6-blade iris diaphragm, you can enjoy an

exceptionally realistic expression of natural light.*
The supplied step-down ring is required to mount conversion lenses. Conversion lenses cannot be mounted unless the supplied hood is removed. Also, be sure to set the conversion lens mode on the body before using. When using the Wide Conversion Lens setting, switch Balanced Optical SteadyShot™ off.

1/2.88-inch type Exmor R CMOS image sensor
Even when shooting dark scenes, the back-illuminated Exmor R CMOS sensor provides high sensitivity and low noise that are hard to believe from such a compact unit. What is more, using a 1/2.88-inch type sensor with an aspect ratio of 16:9 is

Balanced Optical SteadyShot™ image stabilization system
The innovative Balanced Optical SteadyShot™ image stabilization system eliminates the influence of vibrations from the body by enclosing the entire optical block, from the lens to the image sensor, in a "floating" space. Combined with electronic image stabilization that compensates for rotation around the optical axis, this new system provides powerful image stabilization even when shooting whilst zooming, which was previously difficult to achieve. So now you can record stable images with minimal blur, every time.To optimize the effect of Balanced Optical SteadyShot™, the HXR-NX30E features a FIXED SHOT mode. Press a button and this expands the movable range of the optical block to keep you locked on your subject. This is particularly convenient when you want to maintain the same shooting angle for an extended period.

Full HD video capture and still image recording
The HXR-NX30E allows you to shoot at 50fps progressive (1080/50p) with 1920 x 1080 full HD resolution. Using a 25p timeline setting with AVCHD 2.0 compatible NLE software enables conversion to smooth slow-motion images up to 2x slower. You can also select 1080/50i/25p, 1280x720 50p and PAL.Simultaneous recording of still images while shooting video is another feature of the HXR-NX30E. It is possible to shoot high quality images with a resolution as high as 24.1M (16:9 / 6544 x 3680, 4:3 / 4912 x 3680).

Embedded Flash memory and Memory Stick PRO Duo/ SD multi card slot

The built-in 96GB embedded Flash memory can record and store up to 30 hours of high definition video footage in HD LP mode with Dolby Digital audio mode. And there is an amulet-card slot that lets you record video images on Memory Stick PRO Duo and SD cards, giving you a range of options in your choice of recording media. You can also use these readily available cards to copy data from internal memory.

XLR audio inputs and ECM-XM1 shotgun microphone records Linear PCM audio

Two balanced XLR audio inputs are built-in with phantom power and attenuation options that professional users require for clean sound quality. Default audio settings for XLR recording are highlighted in green for easy reference in the field in order to reduce operator error under difficult lighting conditions. The ECM-XM1 shotgun microphone mounted on top of the ergonomic handle provides audio recording performance similar to larger shoulder-mounted ENG style cameras. The HXR-NX30E is also able to record high-quality 48kHz/16 bit Linear PCM audio.

Timecode/user bit recording and HDMI embedded timecode output

The HXR-NX30E features the important professional camcorder functions of timecode and user bit settings.

Like other NXCAM camcorders, the HXR-NX30E allows timecode to be centrally reset using an infrared remote control for easy synchronization of video from multiple cameras*. Using NLE software, live footage shot with multiple NXCAM camcorders can be efficiently edited with timecode sync. Timecodes and user bits can also be output through an HDMI jack.* Does not completely synchronize the operations of multiple cameras.

Built-in light offers auxiliary light source for video or flash for still image capture

You can use this built-in light as a flash when shooting still images or as an auxiliary light source when recording video. Using the NightShot mode is particularly effective when recording in low-light conditions and allows you to capture otherwise impossible shots.

Built-in projector to view rushes

A built-in projector can project images up to 100 inches wide (when projecting 5m from a screen, 40 inches wide when projecting 2m from a screen). Large-screen projection of images enables all the staff involved to check the rushes at the end of the shoot and reduces the need for an external display.

Technical Specifications

General	
Mass (Main unit only)	615g, 1lb 5oz (Approx.)
Mass (w/ Battery)	710g, 1lb 9oz (Approx.)
Mass (w/Hood, w/ Battery, w/Microphone, w/ XLR unit)	1100g, 2lb 6oz (Approx.)
Dimension (W x H x D) (w/ Battery)	71.5mm x 94.5mm x 148mm, 2 7/8inch x 3 3/4inch x 5 7/8 (Approx.)
(w/Hood, w/ Battery, w/Microphone, w/ XLR unit)	135.5mm x 181.5mm x 310.5mm, 3/8inch x 7 1/4inch x 12 1/4inch (Approx.)
Power Requirements (AC adaptor / Battery)	8.4V/6.8V
Power consumption - LCD - normal brightness (HD FX)	4.1W
Power consumption - LCD - normal brightness (STD)	3.8W
Operating temperature	0 to +40 deg C (+32 to +104 deg F)
Storage temperature	-20 to +60 deg C (-4 to +140 deg F)
Battery operating time - Continuous recording time	195 min (VF), 185 min (LCD) (NP-FV70: fully charged batt.)

Battery operating time - Video Format	HD : MPEG4-AVC / H.264 AVCHD format Ver.2.0 compatible STD MPEG-2 PS
Audio Format	HD Linear PCM/Dolby Digital 2ch, 16bit, 48kHz STD Dolby Digital 2ch, 16bit, 48kHz
Recording frame rate *2 </br> HD	PS (28Mbps) 1920 x 1080/(50p) 16:9 FX (24Mbps) 1920 x 1080/(50i,25p) ,1280 x 720/50p 16:9FH (17Mbps) 1920 x 1080/(50i,25p) ,1280 x 720/50p 16:9HQ (9Mbps) 1440 x 1080/(50i) 16:9LP (5Mbps) 1440 x 1080/(50i)/16:9
Recording frame rate *2 </br> STD	SD (9Mbps) 720 x 576/50i/16:9, 4:3
Recording/Playback time	170min(MS 32GB, HD FX, LPCM) 525min(Int. memory 96GB, HD FX, LPCM)
Still picture resolution	24.1 megapixels 16:9 (6544x3680), 18.1 megapixels 4:3 (4912x3680)
Zoom ratio	Carl Zeiss Vario-Sonner T*, 10x (optical), 17x Extended Zoom, 120x Digital Zoom
Focal length	f = 3.8 mm - 38 mm (equivalent to 26.0 mm - 260 mm (16:9), 31.8 mm - 318 mm (4:3) on 35 mm lens)*2
Focus	Full range auto/Manual

Image stabilizer	Balanced Optical SteadyShot™ w/ Active mode (Wide to Tele)
Filter Diameter	52mm (52mm to 37mm step-down ring supplied)

Camera Section

Imaging device	1/2.88 type ExmorR CMOS with ClearVid pixel arrayPixel Gross:Approx. 6650K Video Actual:Approx. 6140K(16:9)
Minimum illumination	3 lux (Low LUX mode, 1/25(50p or 50i))
Shutter speed	1/6 - 1/10000 (Manual Shutter Speed Control)
Iris	F1.8 - F3.4
Slow & Quick Motion function	200 fps (fixed) as Smooth Slow Rec *The picture quality is degraded. (fps : Field per Sec.)
White balance	Auto, outdoor(5800K), indoor(3200K), One-push (Touch panel)

Inputs/Outputs

Mic input	Stereo mini jack (x 1) φ3.5mm
Audio input	XLR 3-Pin (female) (x2), LINE/MIC/MIC+48V selectable
A/V output (composit)	A/V Remote connector
USB	TypeA, Mini-AB/ USB 2.0 Hi-Speed
Headphone output	Stereo mini jack φ3.5mm
HDMI output	HDMI mini connector

Monitoring

Viewfinder	0.5cm(0.2 type)/Color 201,600dots equivalent
Built-in LCD monitor	7.5cm (3.0 type, aspect ratio 16:9) 921,600 dots(1920x480)

Bulit-In Microphone

	2ch Stereo microphone

Bulit-In Projector

Resolution output / Light output	640x360 / Up to 20 lumenThrow distance:5m(16ft) for 100"diagonal
Throw distance / Screen coverage	5m(16ft) for 100"diagonal / 10 type - 100 type
Projector playback endurance (Battery life)	205min (w/suppled battery)

Built-In Flash (Video Light)

Flash Compensation	Yes (3 steps)
Flash Coverage	Approx. 0.3m - 1.5m
Flash Metering System	Pre-flash TTL
Flash Modes	Auto / Forced / Prohibited
Video Light	Continuous lighting when video shooting and NightShot mode

Recording Media

Internal Memory	96GBMemory Stick PRO Duo(Mark2), Memory Stick PRO-HG Duo,Memory Stick PRO-HG Duo HX*3SD/ SDHC/SDXC Memory Card*4

Supplied Accessories

	AC Adaptor[AC-L200C/ D]Power codeRechargeable Battery Pack[NP-FV70]Microphone[ECM-XM1]Wind ScreenXLR AdaptorLens hoodUSB typeA extention cableA/V connecting cableUSB Adaptor cable (for external HDD)[VMC-UAM1]Wireless Remote Commander[RMT-845]Step-down ring (52mm to 37mm)HDMI cable (typeC)Application Software (CD-ROM)[Content Management Utility]
	*1Due to variable bitrate, 24Mbps is the maximum bitrate for AVCHD FX mode and the average bitrate is being stated for FH, HQ and LP modes.
	*2The focal length is when SteadyShot mode is in Active mode Off.
	*3 Class 4 or faster