

HXR-NX30U

NXCAM Palm-Sized Camcorder

SONY

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The HXR-NX30U, a Palm-Sized Go-Anywhere Camcorder Packed with the Features Professionals Demand Plus Balanced Optical SteadyShot™

Ultimate mobile camcorder for the professional videographers

Sony's HXR-NX30U is an ultra-compact, palm-size, 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 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. One of the HXR-NX30U's biggest advantages is the newly developed 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, ensuring handheld shooting with a new level of image stability. It is an ideal feature if you are out in the field alone and handheld operation is required while walking or using the zoom. Designed to meet the needs of a wide range of professional situations, the lightweight, compact and affordable HXR-NX30U is a powerful tool for gathering footage alone and as a B-camera during multi-camera shoots.

NXCAM

AVCHD
Progressive

MPEG2 SD

Exmor R
CMOS Sensor

ZEISS

MEMORY STICK

SD XC

GPS

Ultra Wide-angle 26.0mm Carl Zeiss Vario-Sonnar T* Lens and Exmor R CMOS Image Sensor



The HXR-NX30U comes with a Carl Zeiss Vario-Sonnar T* lens that suppresses unwanted reflections to assure faithful color 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 exceptionally realistic expression of natural light. And 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 ideal for wide-angle shooting. This lets you record images with even higher definition.



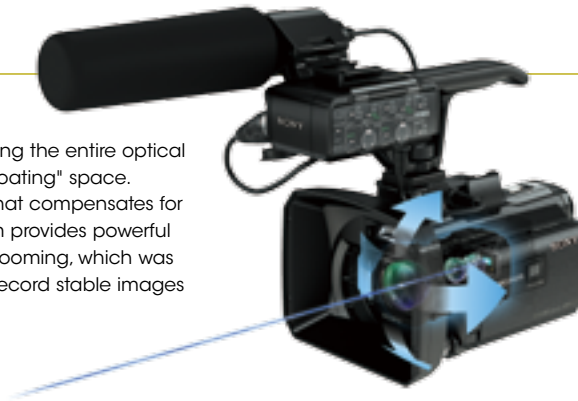
40mm



26mm (HXR-NX30U)

Balanced Optical SteadyShot™

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.



FIXED SHOT mode

To optimize the effect of Balanced Optical SteadyShot™, the HXR-NX30U 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.



AVCHD 2.0 1920 x 1080 Full HD 60p Recording with 24.1 Mega (6544 x 3680) pixels*1 still image capture*2

You can shoot at 60fps progressive (1080/60p) with 1920x1080 Full HD resolution. And using a 24p timeline setting with AVCHD 2.0 compatible NLE software enables conversion to smooth slow-motion images up to 2.5x slower. You can also select 1280x720 60p and a wide range of other formats.

*1: Realized using the "By Pixel Super Resolution" technology.

*2: Dual Rec is not active while recording mode is set to FX or PS.



96GB embedded Flash Memory and Memory Stick / SD Multi Card Slot

The built-in 96GB embedded Flash memory can record and store up to 40 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 Adaptor with Selectable Phantom Power and ECM-XM1 Shotgun Microphone Enabling High-Quality Linear PCM Recording

The detachable handle has an ergonomic design that is comfortable and compact. 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 handle provides audio recording performance similar to larger shoulder-mounted ENG style cameras.

The HXR-NX30U is also ready to record high-quality 48kHz/16 bit Linear PCM audio.



Timecode/User Bit Recording and HDMI Embedded Timecode Output

The HXR-NX30U features the important professional camcorder functions of timecode and user bit settings. Like other NXCAM camcorders, the HXR-NX30U's timecodes can be centrally reset using the supplied infrared remote control to allow 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.

Built-in Light

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

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.



Built-in USB cable for easy file transfer/charge

The high-speed, built-in USB 2.0 cable allows for easy connection to your computer for charging or file transfer without having to remember separate cables. It also fits conveniently into the hand strap so it's out of the way until you need it. Charging your camcorder is faster than ever now through the USB; for every two minutes of charge time you get one minute of recording time.



Direct Copy to external HDD without PC

Store your memories or backup important shots by copying footage directly from your camcorder to an external hard disk drive*, which is sold separately, all without the need for a computer. Your camcorder can also access videos stored on the external hard drive for playback on your HDTV, allowing you to utilize the camcorder's handy playback features.

1. Direct Copy is compatible with USB media that meets the following requirements
 - USB media that meets the USB2.0 requirement.
 - For external HDD or USB memory under 2TB, an AC powered external HDD is recommended.
 - USB media formatted in the FAT32 file system. In the case when USB media is not in FAT32 file system, reformatting is required and all data will be erased.

Note: There may be cases when USB media is not compatible with the Direct Copy function.
2. When using Direct Copy the camcorder needs to be connected to AC power.
3. Using VMC-UAM1 (supplied) cable when the HXR-NX30U is connected to External HDD.
4. Connection via USB-hub is not supported.

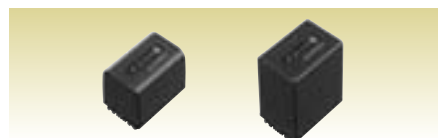
Geotagging with built-in GPS receiver



A built-in GPS receiver makes the HXR-NX30U an ideal choice for professional videographers. The receiver gives you the ability to "tag" your shooting locations as a future reference if you need to return to the same location or to create a log of areas covered when surveying remote locations.

Additionally, the receiver automatically adjusts your camcorder's clock to the proper time zone when international travel is part of your assignment. Your locations can be tracked on Google Maps™ and all GPS data can be extracted with a CMU is supplied PC software.

ACCESSORIES



Rechargeable Battery Pack
NP-FV70 (6.8 V / 14.0 Wh / 2060 mAh)
NP-FV100 (6.8 V / 26.5 Wh / 3900 mAh)



AC Adaptor/Charger
AC-VQV10
(AC 100 V - 240 V)



Battery Charger
BC-TRV
(AC 100 V - 240 V)



Accessory Kit
ACC-VA1BP
(include NP-FV70, BC-TRV, RM-VD1 etc)
*HXR-NX30U cannot output S Video out



Accessory Kit
ACC-V1BP (Include NP-FV100 and AC-VQV10)



Wide Conversion Lens
VCL-HGA07B (0.75x)*



Tele Conversion Lens
VCL-HG1737C (1.7x)*

* 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.



Memory Stick PRO-HG Duo™
MS-HX32B
(32 GB, 16 GB, 8 GB)

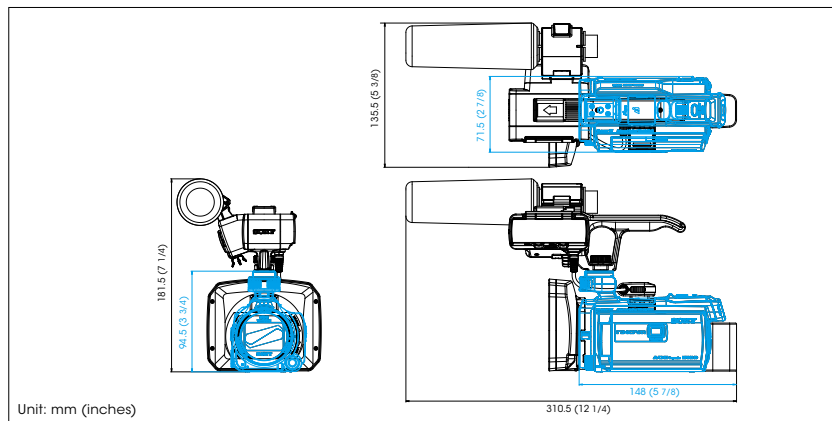


SD / SDHC Memory Card
SF-32UX
(32 GB, 16 GB, 8 GB.)

Specifications

HXR-NX30U			
General			
Mass	(Main unit only)	615g, 1lb 5oz (Approx.)	
	(w/ Battery)	710g, 1lb 9oz (Approx.)	
	(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, 5 3/8inch x 7 1/4inch x 12 1/4inch (Approx.)	
Power requirements	Power Requirements (AC adaptor / Battery)	8.4V/6.8V	
Power consumption	LCD - normal brightness (HD FX)	4.1W	
	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.)	
Recording format	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 ^{*1}	HD	PS (28Mbps) 1920 x 1080i(60p) 16:9	
		FX (24Mbps) 1920 x 1080i(60i,30p,24p), 1280 x 720/60p 16:9	
		FH (17Mbps) 1920 x 1080i(60i,30p,24p), 1280 x 720/60p 16:9	
		HQ (9Mbps) 1440 x 1080i(60i) 16:9	
		LP (5Mbps) 1440 x 1080i(60i)/16:9	
		SD (9Mbps) 720 x 480i(60i)/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-Sonnar 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 array	
		Pixel Gross: Approx. 6650K	
		Video Actual: Approx. 6140K (16:9)	
Minimum illumination		3 lux (Low LUX mode, 1/30/60p or 60i)	
Shutter speed		1/8 - 1/10000 (Manual Shutter Speed Control)	
Iris		F1.8 - F3.4	
Slow & Quick Motion function		240 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)	

Dimensions



Approximate Recording Time

HD MOVIE

Linear PCM 2ch

	HD 28M (PS)	HD 24M (FX)	HD 17M (FH)	HD 9M (HQ)	HD 5M (LP)
8 GB Memory Card	35	40	55	90	145
16 GB Memory Card	70	80	110	185	295
32 GB Memory Card	145	170	225	375	590
Internal Memory (96 GB)	450	525	700	1165	1845

(Unit:min)

STD MOVIE

Dolby Digital 2ch

	SD/STD 9M (HQ)
8 GB Memory Card	110
16 GB Memory Card	225
32 GB Memory Card	460
Internal Memory (96 GB)	1430

(Unit:min)

Inputs/Outputs	
Mic input	Stereo mini jack (x 1) ø3.5mm
Audio input	XLR 3-Pin (female) (x2), LINE/MIC+48V selectable
A/V output (composite)	A/V Remote connector
USB	TypeA, Mini-AB/ USB 2.0 Hi-Speed
Headphone output	Stereo mini jack ø3.5mm
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)
Built-in Microphone	
	2ch Stereo microphone
Built-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/supplied 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	96GB
	Memory Stick PRO Duo(Mark2), Memory Stick PRO-HG Duo, Memory Stick PRO-HG Duo HX, SD/SDHC/SDXC Memory Card ^{*3}
Supplied Accessories	
	AC Adaptor [AC-L200C/D], Power code, Rechargeable Battery Pack [NP-FV70], Microphone [ECM-XM1], Wind Screen, XLR Adaptor, Lens hood, USB typeA extension cable, A/V connecting cable, USB 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]

^{*1} Due 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.
^{*2} The focal length is when SteadyShot mode is in Active mode Off.
^{*3} Class 4 or faster

Supplied Accessories



CMU System Requirements

- Microsoft® Windows® XP Service Pack3 (32 bit), Windows Vista® Service Pack2 (32 bit / 64 bit), Windows® 7
- Intel® Core™2 Duo 2.80 GHz (for AVCHD playback)
- 1 GB of RAM
- 100 MB available hard-disk space for installation
- 1024 x 768 display

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