



**NEXFS100U**  
Super 35mm NXCAM  
camcorder without  
Lens (Planned  
availability in the U.S.  
is Summer 2011)

**\$5,850.00**

U.S.List Price

**Overview**

The NEX-FS100UK is an interchangeable lens camcorder featuring a Super 35mm sensor equivalent in size to Super35mm film like that used in the PMW-F3. Developed specifically as a digital motion camcorder it is capable of producing footage with shallow depth of field similar to that of a film camera and capture with high image fidelity.

**Highlights**

\* Equipped with a large CMOS sensor equivalent in size to Super35mm film like that used in the PMW-F3, it is able to create a rich bokeh effect (beautifully defocused image) to produce the much-desired shallow-focus look associated with top-shelf commercials and feature films. The sensor also features the optimum number of effective pixels for shooting HD moving images. This new sensor is designed with outstanding exposure latitude and sensitivity to deliver extraordinary HD images subtle in detail and color gradation while avoiding image artifacts typical of HD SLRs.. A tape measure hook and an image sensor position index on the body marks the position of the focal plane.

\* 35mm E-Mount Interchangeable Lens System. The NXCAM Super35 features a Sony E-mount Interchangeable lens system. Due to the adoption of the E-mount interchangeable lens system, a great variety of current and future E-mount lenses from various lens manufacturers (Sony Zeiss, Tamron, Sigma and Cosina) are compatible. Thanks to its unusually shallow flange focal distance virtually any 35mm lens can be mounted via third-party adapters. Furthermore, "" A-mount lenses can be mounted via Sony's LA-EA1 adapter to electrically control iris and autofocus functions.

\* 1920x1080 60P recording at 28Mbps. The new PS mode with a 28Mbps bit-rate enables the NXCAM Super35 to capture full HD at 60P.

\* 1920x1080P Slow and Quick Motion (Over & Under Cranking). Recording images at a different frame rate from that used for playback provides the extra versatility of slow and quick motion shooting. The NEX-FS100 enables Full HD (1920x1080) progressive slow and quick motion. S&Q recording plus last scene review permits checking the S&Q effects on-set, immediately after shooting the scene without drilling down menus.

\* HDMI Output with Embedded Time code for 4:2:2 Uncompressed digital output. For extra convenience when using external recorders, the NEX-FS100 provides an HDMI Output with Embedded Time code and pull down markers Signal Output al Output.

\* Simultaneous HD recording to FMU128 and SD or MS Card. Backup/ redundant recording to a memory and optional FMU128 can save time and provide peace of mind.

\* Build-up modular design. Featuring a compact, lightweight body with detachable grip, handle, and viewfinder tube, the NXCAM Super35 can be configured for a wide range of shooting situations. To facilitate hand-held shooting, the angle of the handgrip can be positioned 360 degrees as desired and the LCD Panel can rotate for left or right side operation. Furthermore, there are numerous 1/4- and 3/8-inch screw holes on both the handle and the camera body for mounting the camera or attaching various peripheral devices.

\* Sharp, large and bright 3.5 XtraFine™ LCD/ View finder. Located on the optical axis, the 3.5-inch-type XtraFine LCD panel enables easier, more intuitive framing, especially during hand-held shooting. And the LCD panel can be rotated for stress-free operation from either side of the camera. For easier, more precise focusing, a large Viewfinder tube with 1.2x magnifier is supplied to convert the LCD into a superb viewfinder..

\* Flexible recording media. Recording to the directly mountable HXR-FMU128 Flash Memory unit allows continuous recording for over 10 hours without changing the recording medium. Simultaneous recording using memory cards and other media is also possible for secure backup when shooting footage that can't be reshot.

## Specifications

Audio Recording Specifications		Detail
Audio Recording Modes		16-bit 48KHz LPCM or Dolby Digital Stereo 48KHz
Camera Specifications		Detail
Imaging Device		Exmor Super35 CMOS Sensor
LCD Screen		3.5 inch-type, XtraFine LCD, approx. 921,600 dots(1920 x 480), 16:9 aspect
Microphone		ECM-XM1 Shotgun type monoaural mic.
Camera Section Specifications		Detail
Minimum Illumination		0.28 lx (1/30 shutter, IRIS F1.4, Auto GAIN)
Optical System		Single Super35mm size sensor
Pickup Device		"Exmor" Super35 CMOS Sensor
Shutter Speed (Time)		Auto: 1/60-1/2000, 30p: 1/30-1/2000, 24p: 1/48-1/2400 Manual:60i/30p/60p: 1/3 - 1/10000, 24p: 1/3 - 1/10000
Slow & Quick Motion Function		REC. Frame rates: 1080/60p, 1080/30p, 1080/24p Camera capture: 60fps, 30fps, 15fps, 8fps, 4fps, 2fps, 1fps
Exmor R Image Sensor Specifications		Detail
Video Captured Image Resolution		hd: 1920x1080
General Specifications		Detail
Continuous Operating Time		Approx. 510 min (NP-F970: fully charged battery.)
Dimensions (W x H x D)		Body only: 5 x 4 x 7 5/8 inch (126.5 x 101.5 x 193.5 mm)
Mass		Body only: 2 lbs. 4oz (1.04 kg)
Operating Temperature		+32 to +104 degrees F (0 to +40 degrees C)
Power Consumption		5.6W (w/ supplied lens) 6.7W with HXR-FMU128
Power Requirements		AC adaptor / Battery) 8.4V / 7.2V
Recording Frame Rate NTSC Mode		PS (28Mbps) 1920x1080 60p, HD FX (24Mbps) 1920x1080 30p HD FX (24Mbps) 1920x1080 24p, HD FX (24Mbps) 1920x1080 60i, HD FH (17Mbps) 1920x1080 60i, HD HQ (9Mbps) 1440x1080 60i, HD LP (5Mbps) 1440x1080 60i, HD FH (17Mbps),1920x1080 24p, HD FH (17Mbps) 1920x1080 30p, HD FX (24Mbps), 1280x720 60p, HD FH (17Mbps) 1280x720 60p HQ (9Mbps) 720x480/60i (30p Scan) , HQ (9Mbps), 720x480/60i (24p Scan),
Recording Media		HXR-FMU128optional 128 GB Memory Module SD/SDHC/SDXC Memory Card Memory Stick PRO Duo Mark2 Memory Stick PRO-HG Duo Memory Stick PRO-HG Duo HX
Recording/Playback Time		170 min (2h 50m) with 32GB Memory Stick PRO-HG Duo HX at FX(24Mbps) Linear PCM 2ch recording
Storage Temperature		4 to +140 degrees F (-20 to +60 degrees C)
Video Recording Format		HD: HD MPEG-4 AVCHD format compatible +1080/60p original format) SD: MPEG-2 PS (Same as DVD)
Weight		Body Only: 2 lbs. 4oz (1.04 kg)

## Inputs and Outputs

### Detail

<b>Specifications</b>	
Audio In	XLR 3-pin (female) (x 2), LINE/MIC/MIC with selectable attenuation and +48V phantom power
Audio Out	2 RCA via AV Cable
Component Out	HDMI 1.4 RCA Type (x 3) via Mini-D jack
Composite Video Out	RCA Type (x 1)
Earphone	3.5mm Stereo
Lens Connector	E-Mount Hot Shoe
MIC In	Two 3-Pin XLR with selectable attenuation and phantom power
Monitor Speaker	YES
Remote	LANC type 2.5mm
USB	mini-AB/Hi-Speed (x 1)
<b>Lens Specifications</b>	
<b>Detail</b>	
Lens Mount	Sony E-Mount
<b>Monitoring Specifications</b>	
<b>Detail</b>	
Built-in LCD Monitor	3.5 inch-type, XtraFine LCD, approx. 921,600 dots(1920 x 480), 16:9 aspect
Viewfinder	Supplied VF tube for LCD