

HXR-MC2500

1/4-inch Exmor R CMOS sensor HD / SD
AVCHD camcorder



Overview

Making a professional impression

The HXR-MC2500 provides a professional look and shooting style which is ideal for weddings, corporate communications or education facilities. While light and easily portable, its full Shoulder Mount design means your clients immediately know you mean business.

Workflow flexibility is enhanced by the ability to record directly onto a removable memory card or a 32GB internal flash memory in High Definition or Standard Definition. With this combination of the internal flash memory and memory card allows recording functions such as “Relay” and “Simultaneous” are available. When Sony’s L-Series InfoLithium battery NP-F970 (optional) is used, the HXR-MC2500 is capable of continuous long recording of up to 14 hours- perfect for those occasions where you don’t want to stop recording, such as weddings or business conferences.

The HXR-MC2500 is designed to be the ideal, entry-level match for almost any type of non-linear workflow. It’s an exceptionally cost-effective production package for DVD or Blu-ray content, one that’s flexible enough to express your creative ideas and meet your client’s requirements.

Separate PAL and NTSC models available

Depending on your region, separate models are available offering recording frame rates of 50p, 50i 25p Full HD and 50i SD (PAL model), or 60p, 60i, 30p, 25p Full HD and 60i SD (NTSC model).

Features

Wide-angle G Lens

The HXR-MC2500 comes equipped with a sophisticated G Lens that incorporates Sony's unique optical design technology and quality control, delivering exceptional performance on a par with some of the best lenses in the industry. The HXR-MC2500 itself is optimised to perfectly complement the G Lens with an advanced image sensor and Sony’s famous image processing technology. This improves picture performance whether zooming in on the action, or getting a perspective on the big picture with a 26.8mm* lens offering the widest angles in this class of camera, which enables wide-angle shooting even in tight spaces.

*35mm or equivalent.

Highly-sensitive Exmor™ R CMOS sensor and built-in LED light

The HXR-MC2500 is capable of shooting clearly even in low-light or indoor environments. Its highly-sensitive Exmor™ R CMOS sensor adopts a back-illuminated

technology that enables the image sensor to utilize incidental light more efficiently, helping the videographer to achieve rich image quality even during low-light shooting situations. Moreover, the HXR-MC2500 is also equipped with a convenient built-in LED light for valuable extra illumination when needed.

Optical SteadyShot with Active Mode

This feature ensures smooth movement while recording footage in many challenging shooting situations. In addition, Sony's innovative 3-Way Shake-Cancelling technology adds electronic roll stability for even smoother video capture. This latest version of image stabilisation technology realizes images that are up to 10x steadier for wide angle shooting than conventional Optical SteadyShot images. As the user zooms in, an intelligent digital image stabiliser starts to blend in and work together with its optical counterpart to effectively reduce camera shake. This technology also reduces shake in the rolling direction that commonly occurs when shooting while walking.

Wide angle view, high contrast OLED viewfinder and 3-inch wide LCD panel

The HXR-MC2500 is equipped with an OLED Tru-Finder™ electronic viewfinder, offering a high resolution of approximately 1.44 million dots with high contrast levels. Sony's proprietary viewfinder technologies allow for better tonal reproduction and more detailed picture information when shooting. In addition, there is also the built-in 3-inch wide high resolution LCD panel (approximately 0.92 million dots) for crisp and bright views.

Wi-Fi/NFC functions for seamless connection to smartphones

The HXR-MC2500 can connect to mobile devices such as smartphones or tablets via a Wi-Fi connection, enabling monitoring and remote control functions such as start/stop recording, zoom control, iris control and touch auto focus. Furthermore, it is also NFC-capable (Near Field Communications) to allow easy, one-touch wireless connections to compatible mobile devices.

Multi-Interface (MI) Shoe

The MI Shoe expands your options to use accessories without cables, such as the UWP-D11 wireless microphone receiver and XLR audio input by XLR adapter.

Manual Lens Ring with Assignable Parameters

Using the assignable lens ring, users can manually adjust key parameters like Focus, White Balance, Exposure, AE Shift, Iris priority and Shutter Speed priority. Users can control the G Lens iris to create an out-of-focus effect in the foreground or background. Shutter-speed can also be controlled to create special effects, such as the flowing motion of a waterfall or bird wings in flight etc.

Ideal for long event shooting with 32GB internal flash memory and low power consumption

A 32GB internal flash memory enables longer duration recording of more than 150 minutes. In addition, by using a combination of the internal flash memory and memory card in the MS/SD slot, recording functions such as "Relay" and "Simultaneous" for backup can be available. When Sony's L-Series InfoLithium battery NP-F970 (optional) is used, the HXR-MC2500 is capable of continuous long recording of up to 14 hours. This is a critical feature for important occasions where operators may not have the luxury to stop the camera, such as during the filming of wedding ceremonies or other live events.

Ergonomic Handle & Controls

The ergonomically designed handle contains a convenient record button and zoom control, essential for low position shooting. There are also cold shoes on the front and rear of the handle, which allow for the attachment of two different types of

accessories.

AVCHD - Ideal for Memory Recording

AVCHD is a highly efficient data compression format which greatly reduces memory requirements, maximizing the benefits of file-based recording with high image quality in a small file size. This is made possible by the exceptionally efficient MPEG4 AVC/H.264 codec at 50/60p@28mbps. Many consumer electronic devices already support AVCHD playback, and more are on the way. Numerous major NLE software programs feature AVCHD input and editing. The HXR-MC2500's Standard Definition recording format is in DV memory format.

Additional professional features

A BNC Composite Terminal enables use of BNC cables for a professional secure connection, which prevents cable disconnect during critical shooting occasions such as live recording.

TC/UB Implementation: Time Code and User Bit are included for situations like multi-camera shoots

Specifications

Important Note

Depending on your region, the HXR-MC2500 is available in PAL or NTSC models to ensure the best possible performance.

General

Mass	<p>Approx 2.80k g (body) Approx. 6lb 2.8oz (body) Approx. 3.10kg (with lens hood, Lens Cap, Microphone, Eyecup, Shoe Cap, NP-F570 battery) Approx. 6lb 13.3oz (with lens hood, Lens Cap, Microphone, Eyecup, Shoe Cap, NP-F570 battery)</p>
Dimensions (W x H x D)	<p>265.0 x 235.0 x 455.0 mm (body) 10 1/2 x 9 3/8 x 18 inches (body) 265.0 x 240.0 x 460.0 mm (With the accessories (lens hood, Lens Cap, Microphone, Eyecup), excluding the grip belt and including the projecting parts) 10 1/2 x 9 1/2 x 18 1/8 inches (With the accessories (lens hood, Lens Cap, Microphone, Eyecup), excluding the grip belt and including the projecting parts)</p>
Power Requirements	7.2V (battery pack); 8.4V (AC Adaptor)
Power Consumption	<p>Approx. 3.3 W (with EVF On, Video light Off) Approx. 3.3 W (with LCD monitor On, Video light Off)</p>
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 (Continuous Recording Time)"	Approx. 285 min with NP-F570 battery (video light Off) Approx. 135 min with NP-F570 battery (video light On)
Recording Format (Video) - HD	MPEG-4 AVC/H.264 AVCHD 2.0 format compatible
Recording Format (Video) - SD	DV(AVI)
Recording Format (Audio) - HD	Linear PCM 2ch, 16bit, 48kHz / Dolby Digital 2ch, 16bit, 48kHz
Recording Format (Audio) - SD	Linear PCM 2ch, 16bit, 48kHz
Recording Frame Rate (PAL) - 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) 1280 x 720/50p, 16:9
Recording Frame Rate (PAL) - SD	DV(25Mbps) 720 x 576/50i, 16:9, 4:3
Recording Frame Rate (NTSC) - 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) 1280 x 720/60p, 16:9
Recording Frame Rate (NTSC) - SD	DV(25Mbps) 720 x 576/60i, 16:9, 4:3
Recording/Playback Time	Approx.145min(Internal Media, PS, LPCM) Approx.170min(Internal Media, FX, LPCM) Approx.225min(Internal Media, FH, LPCM) Approx.380min(Internal Media, HQ, LPCM) Approx.140min(Internal Media, DV, LPCM)

Lens

Lens Mount	Fixed
Zoom Ratio	12x (optical), servo/manual
Focal Length	f = 2.9-34.8mm equivalent to f=26.8-321.6mm on 35 mm lens(16:9) equivalent to f=32.8-393.6mm on 35 mm lens(4:3)
Iris	F1.8 - F3.4 auto/manual selectable
Focus	AF/MF selectable, 10 mm to ∞ (Wide), 800 mm to ∞ (Tele)

Image Stabilizer	ON(Standard/ACTIVE)/OFF selectable, shift lens
Filter Diameter	M37 mm

Camera Section

Imaging Device (Type)	1/3.95 inch(4.6mm) back-illuminated Exmor R CMOS Sensor
Imaging Device (Pixel Count)	Approx.6590K pixels
Effective Picture Elements	Approx.6140K pixels(16:9)/Approx.4600K pixels(4:3)
Minimum Illumination	1.4lux(MAN setting : SS 1/25sec , Iris F1.8 , Gain 33dB) [PAL] 1.6lux(MAN setting : SS 1/30sec , Iris F1.8 , Gain 33dB) [NTSC] 0.7lux(MAN setting : SS 1/12sec , Iris F1.8 , Gain 33dB) [PAL] 0.8lux(MAN setting : SS 1/15sec , Iris F1.8 , Gain 33dB) [NTSC]
Shutter Speed	1/6 - 1/10,000 [PAL] 1/8 - 1/10,000 (1/6 - 1/10,000 when shooting with 24p) [NTSC]
White Balance	Preset (Indoor, Outdoor, Color temperature set range:2300-15000K) Onepush A, B, Auto selectable
Gain	0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33 dB, Auto Selectable

Input/Output

Composite Output	BNC (x1), PAL or NTSC depending on product model
Audio Output	RCA pin
USB	mini-AB USB2.0 Hi-speed/mass-storage/Host
Headphone Output	Stereo mini jack ϕ 3.5mm (x1)
Speaker Output	Monaural
DC Input	DC jack
Remote	Stereo mini mini jack ϕ 2.5mm (x1)
HDMI Output	Type A (x1)
Accessory Shoe	Multi Interface Shoe (x1), Cold Shoe (x2)

Monitoring

Viewfinder	1.0cm (0.39 inch) OLED Approx. 1.44M dots
Built-in LCD Monitor	7.5cm (3.0 inch) Approx. 921K dots.

Built-in Microphone

Built-in Microphone Omni-directional stereo electret condenser microphone.

Media

Internal Memory 32GB Flash Memory

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

Built-in LED Light

Luminous intensity 1.0m / Approx.200 lx, 0.5m / Approx.800lx

Lighting angle Approx. 30°

Color temperature Approx. 5,500K

WiFi

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

Supplied Accessories Lens hood (1)
 Lens cap (1)
 Shoe Cap (1)
 EVF eyecup (1)
 Microphone (1)
 Wind screen (1)
 Video Light Diffuser (1)
 USB adaptor cable (1)
 Rechargeable battery pack (NP-F570) (1)
 CD-ROM Operating instructions in PDF (1)
 Operating instructions (1)
 AC-L100C AC adaptor (1)
 AC Cable (1)
 Warranty (1)

Related products



LMD-A220



LMD-A220 v2.0



LMD-A170



LMD-B170

22-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use



LMD-A170 v2.0

17-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use

22-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use



LMD-2110W

21.5-inch entry-level LCD monitor

17-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use



LMD-B240

24-inch cost-effective, lightweight basic grade Full HD LCD monitor for versatile use

17-inch cost-effective, lightweight basic grade Full HD LCD monitor for versatile use

Gallery

