SONY

HXR-MC2500
Solid-State Memory Camcorder

A new shoulder-style HD camcorder offers strong night or indoors performance and stable shooting for long events

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 indirect light more efficiently (minimum illuminance of 0.8 lux*), 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.

*Manual setting mode: Shutter Speed - 1/15 sec, F1.8, Gain33dB

Wide angle view, high contrast 1.44 million dots OLED viewfinder and 0.92 million dots 3-inch* wide LCD panel for easy framing of shooting objects

The new camera 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 of shooting objects. 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.

Ideal for long event shooting achieved by embedded 32GB internal flash memory and low power consumption

A 32GB internal flash memory storage system on board of the HXR-MC2500 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 batteries (such as the optional NP-F970) are 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.

More Professional Features for Event Shooting

26.8 mm Wide-Angle Lens – one of the widest angle lenses in this class of camera, which enables wide-angle shooting even in small places

DV Memory – in addition to AVCHD™ Full HD format support, SD format support includes DV memory

Multi-Interface (MI) Shoe – expands options to use accessories without cables, such as the UWP-D11 wireless microphone receiver and XLR audio input by XLR adapter

BNC Composite Terminal – enables the use of BNC cables which helps prevent 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
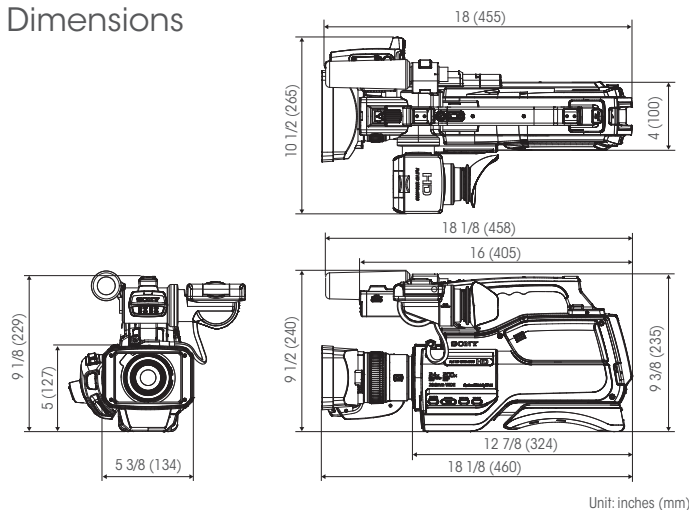
*Viewable area measured diagonally

AVCHD Progressive | G Sony Lens G | Exmor R CMOS Sensor | Wi-Fi CERTIFIED | N | Multi Interface Shoe | MEMORY STICK | SDXC

Specifications

HXR-MC2500 (NTSC)

General

Weight	Approx 6 lb 2.8 oz (2.80 kg) (body)
	Approx. 6 lb 13.3 oz (3.10 kg) (with lens hood,Lens Cap,Microphone,Eyecup,Shoe Cap,NP-F570 battery)
Dimensions (W x H x D)	10 1/2 x 9 3/8 x 18 inches (265.0 x 235.0 x 155.0 mm) (body)
	10 1/2 x 9 1/2 x 18 1/8 inches (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)
Power Requirements	7.2 V (battery pack); 8.4 V (AC Adaptor)
Power Consumption	Approx. 3.3 W (with EVF On, Video light Off)
	Approx. 3.3 W (with LCD monitor On, Video light Off)
Operating Temperature	0°C to 40°C (0°C to 40°C)
Storage Temperature	-4°F to +140°F (-20°Cto +60°C)
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 — 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 — SD	DV (25Mbps) 720 x 480/60i, 16:9, 4:3
Recording/Playback Time	Approx. 145 min (Internal Media, PS, LPCM)
	Approx. 170 min(Internal Media, FX, LPCM)
	Approx. 225 min (Internal Media, FH, LPCM)
	Approx. 380 min (Internal Media, HQ, LPCM)
	Approx. 140 min (Internal Media, DV, LPCM)

Lens

Lens Mount	Fixed
Zoom Ratio	12x (Optical), 24x Clear image zoom, 200x Digital zoom, servo/manual
Focal Length	f = 2.9-34.8 mm
	equivalent to f = 26.8-321.6 mm on 35 mm lens (16:9)
	equivalent to f = 32.8-393.6 mm 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 type (4.6 mm) 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	1.6lux (MAN setting: SS 1/30sec, Iris F1.8, Gain 33dB)
	0.8lux (MAN setting: SS 1/15sec, Iris F1.8, Gain 33dB)
Shutter Speed	1/8 - 1/10,000 (1/6 - 1/10,000 when shooting with 24p)
White Balance	Preset (Indoor, Outdoor, Color temparature 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

HXR-MC2500 (NTSC)

Input/Output

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

Monitoring

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

Built-in Microphone

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

Media

Internal Memory	Flash Memory 32GB
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 Tagcompliant

Supplied Accessoies

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)

Accessories

2NP-F970/B
Rechargeable Battery Pack

ACC-L1BP
AC Adaptor/Charger/ Battery Kit

RM-1BP
Remote Commander® Unit

LED Battery Video Light

ECM-CG50BP
Shotgun Microphone

UWP-D11
Wireless Microphone Package

UWP-D12
Wireless Microphone Package

SMAD-P3
MI Shoe Mount Adaptor
* required for cable-free operation with UWP-D11/UWP-D12

XLR-K1M
XLR adapter kit

ECM-XYST1M
Stereo Microphone

Battery Video IR light

ECM-W1M
Wireless Microphone

Shoe Adapter

SF-128UX/TQN
(128 GB, 64 GB)
SDXC, UHS-1 U3 Memory Card

SF-64UZ/TQN
(64 GB)
SDXC, UHS-1 U3 Memory Card

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

Dimensions

18 (455)

10 1/2 (265)

4 (100)

18 1/8 (458)

16 (405)

9 1/8 (229)

5 (127)

9 1/2 (240)

9 3/8 (235)

5 3/8 (134)

12 7/8 (324)

18 1/8 (460)

Unit: inches (mm)