

# NEX-EA50H

NXCAM Large Format Sensor camcorder  
with E-mount lens system



## Overview

### **Preliminary Information**

The NEX-EA50H is a professional NXCAM Camcorder with a large format Exmor™ APS-C HD CMOS sensor and interchangeable E-mount lens system providing exceptional creative freedom when shooting both Full HD movies and high-quality still photos. It is supplied with the newly developed SELP18200 18-200mm 11x Power Zoom E-mount lens providing auto focus, continuous variable iris and Optical Steady Shot™ image stabilization with Active Mode, making it ideal for shooting moving images. Film-makers can achieve a constant zoom speed and smooth slow zoom, both of which can be difficult to accomplish with manual zoom lenses. An innovative design with an extendible shoulder-pad allows you to switch between handheld and shoulder-mount operation as required, with no need for additional accessories.

## Features

### **Full HD recording**

Full 1920 x 1080 AVCHD 2.0 Recording with 60/50Hz selection (50p/25p/50i or 60p/30p/24p/60i) NOTE: \* \*60p/i means 59.94p/i. 30p and 24p mean 29.97p and 23.98p, respectively.

### **Large Format Sensor for creative expression**

Large Format APS-C HD CMOS Sensor for high quality, creative moving images and shallow depth of field control. The large format Exmor APS HD CMOS sensor gives the user creative freedom when shooting Full HD movies and high-quality still photos.

### **Unique design for versatile shooting options**

The unique design of the NEX-EA50H further adds to the camcorder's versatility. When the shoulder pad is extended, the camcorder can be balanced on the shoulder giving added stability for longer shooting times. Alternatively, when the shoulder pad is returned to its original position, the camcorder becomes compact enough to use in various handheld styles, allowing users to capture a wide variety of shots.

### **Interchangeable E-mount lens System**

The NEX-EA50H incorporates the Sony E-mount interchangeable lens system, which enables auto focus, auto exposure and stabilisation during shooting. With its short flange back distance, it is possible to attach both established A-mount lenses via the LA-EA2 lens mount adapter, and an unrivalled choice of other brands lenses using third-party adapters.

### **Newly developed powered zoom lens**

The NEX-EA50H camcorder comes with the newly developed Power Zoom E-mount lens E PZ 18-200mm F3.5-6.3 OSS SELP18200. It features auto focus, continuous variable iris and Optical Steady Shot image stabilisation with Active Mode, making it ideal for shooting moving images. It is electronically controlled by both the zoom rocker lever on the camcorder grip and top handle. Film-makers can achieve a

constant zoom speed and smooth, slow zoom, both of which can be difficult to accomplish with manual zoom lenses. In addition, using fixed focal length lenses users can simulate a zoom effect using the smart digital zoom function, ensuring fast-paced shots are never missed.

### Part of the professional NXCAM camcorder range

The NEX-EA50H features a range of professional functions usually associated with NXCAM camcorders, such as 2-channel XLR audio, Linear PCM audio, time code, user bit and built-in GPS

### 16.1 megapixel still image capture

The camcorder can capture 16.1 megapixel still pictures with JPEG format support only. In addition, the NEX-EA50H has a built-in mechanical shutter to eliminate shutter-induced blur during long exposures while capturing still pictures.

### A variety of recording media options

Sony's HXR-FMU128 flash memory unit can dock directly to the camcorder for recording an immediate backup. The camcorder is compatible with the new Mirroring Memory Stick (MS-PX64/32/16) which is the world's first memory card featuring a "Mirroring" function. This enables the card to deliver high reliability and data security through a dual recording (mirroring) function. This new professional memory card will be available in 3 different capacities: 16GB; 32GB and 64GB.

## Specifications

### VIDEO SIGNAL

|        |   |
|--------|---|
| HD     | HDTV 1080/60i, 1080/60p, 720/60p, 1080/50i, 1080/50p, 720/50p |
| SD/STD | NTSC / PAL  |

### LENS

|                                       |                      |
|---------------------------------------|----------------------|
| G Lens                                | No                   |
| Carl Zeiss Lens - Vario Tessar        | No                   |
| Lens Mount                            | E mount              |
| Focus                                 | AF/MF selectable     |
| AF                                    | Yes                  |
| Infinity                              | No                   |
| One-push Auto                         | Yes                  |
| AF Assist                             | No                   |
| Spot Focus                            | Yes                  |
| Spot Focus/Meter                      | No                   |
| Spot Meter                            | No                   |
| Expanded Focus                        | Yes (x4,x8)          |
| Focus Macro                           | No                   |
| Zoom - Seesaw / Ring / Handdle seesaw | Seesaw/Handle Seesaw |

## LENS

|                    |                  |
|--------------------|------------------|
| Digital Zoom Ratio | x1.0 - x2.0      |
| Handle Zoom Speed  | Yes(max 32steps) |
| Speed Zoom         | No               |
| Digital Extender   | No               |
| Iris               | Auto /Manual     |
| Iris Ring          | No               |
| Iris Dial          | Yes              |
| One-push Auto Iris | Yes              |
| Auto Iris Limit    | No               |
| Iris Ring Rotate   | No               |

## CAMERA

|   |  |
|---|--|
| Imager                                      | Exmor APS HD CMOS Sensor   |
| Imager Size                                 | APS-C (23.5 x 15.6 mm)   |
| Gross pixels                                | Approx. 16.7 megapixels  |
| Effective pixels of moving pictures in 16:9 | Approx. 13.6 megapixels  |
| Effective pixels of still images in 16:9    | Approx. 13.6 megapixels  |
| Effective pixels of still images in 3:2     | Approx. 16.1 megapixels  |
| Minimum Illumination                        | 4 lx (w/ SEL18200Lens, 1/24 shutter speed, Auto IRIS, Auto GAIN) [60i]<br>4 lx (w/ SEL18200Lens, 1/25 shutter speed, Auto IRIS, Auto GAIN) [50i] |
| LOW LUX                                     | No   |
| NightShot(Plus)                             | No   |
| ND Filter                                   | No   |
| Gain  | Auto / Manual  |
| Manual Gain Setup                           | Yes (L,M,H : Setting 0dB - 30dB, 3dB steps)  |
| ISO SET                                     | Yes (L,M,H : Setting 160 - ,5000 1/2EV steps) [Movie]*7<br>Yes (L,M,H : Setting 100 - 25600 1/2EV steps) [Still]                                 |
| Smooth Gain                                 | No   |
| Hyper Gain                                  | No   |

## CAMERA

|                         |   |
|-------------------------|---|
| AGC Limit               | Yes (Selectable 0dB - 27dB, 3dB steps)  |
| AUTO ISO LIMIT          | Yes (Selectable 160 - 4000, 1/2EV steps)[Movie]<br>*7<br>Yes(Selectable 100 - 2500 1/2EV steps)[Still]  |
| Minus Gain              | No  |
| White Balance           | Auto / Manual   |
| WB Preset               | Yes (Outdoor, Indoor, Manual WB Setup)  |
| One-push WB             | Yes (A / B)   |
| WB Outdoor Level        | Yes (-7 - +7)   |
| WB temperature Set      | Yes (2300 - 15000K, 100K steps)   |
| ATW Sensitivity         | No  |
| WB Shift                | Yes (Picture Profile)   |
| Smooth WB               | No  |
| Shutter Speed           | Auto / Manual   |
| Auto                    | 1/60 - 1/10000 (60i, 60p), 1/30 - 1/10000 (30p),<br>1/48 - 1/10000 (24p) [60i]<br>1/50 - 1/10000 (50i, 50p), 1/25 - 1/10000 (25p)<br>[50i]<br>30s-1/4000[Still] |
| Manual                  | 1/4 - 1/10000 (60i, 30p, 60p), 1/3 - 1/10000<br>(24p) [60i]<br>1/3-1/10000 [50i]<br>30s-1/4000[Still]   |
| Slow & Quick Motion Rec | No  |
| Clear Scan              | No  |
| AE - AE Shift           | Yes (ON/OFF, -2.0EV - 2.0EV)  |
| AE Response             | No  |
| Flicker Reduce          | Yes(fixed to ON)  |
| Back Light              | No  |
| Spot Light              | No  |
| SteadyShot              | Yes   |
| Movie Set               | Yes(Active, Standard, OFF)  |
| Still Set               | Yes(Standard, OFF)  |
| Conversion Lens         | No  |
| SteadyShot Type         | No  |
| Active SteadyShot Type  | No  |

## CAMERA

|  |  |
|--|--|
| Fader  | No   |
| x.v.Color  | No   |
| Color Bar  | Yes (ON / OFF)                                       |
| Type   | No   |
| Tone   | Yes (ON / OFF)                                       |
| Low Lux / NightShot(Plus) /<br>Tele Macro  | No   |
| Face Detection   | Yes  |
| Exposure Control / Color<br>Control  | No   |
| Focus Control / Face Touch /<br>Auto Control / Bit Allocation<br>on Face                               | Yes  |
| Face Index   | No   |
| Smile Shutter - Detection Set /<br>Smile Sensitivity / Smile<br>Priority                               | No   |
| Intelligent Auto - Landscape /<br>Backlight / Twilight / Spotlight<br>/ Low light / Macro / Portrait   | No   |
| Intelligent Auto - Baby / Walk<br>/ Tripod   | No   |
| Scene Selection - Auto /<br>Twilight / Twilight Portrait /<br>Candle / Sunrise - Sunset /<br>Fireworks | No   |
| Scene Selection - Landscape /<br>Portrait / Spotlight / Sports /<br>Beach / Snow                       | No   |
| Shot Transition  | Yes(Focus)   |
| Focus Marking  | No   |
| Camera Profile / Auto Black<br>Balance   | Yes  |
| Picture Profile  | Yes (PP1 - PP6, OFF)                                 |
| Black Level - Black Level /<br>Master Black / Black R / Black<br>G / Black B                           | -15 - +15 / No / No / No / No                        |
| Gamma  | STANDARD, STILL, Cinematone1,<br>Cinematone2, ITU709 |
| Black Gamma - Range  | High, Middle, Low                                    |

## CAMERA

|  |   |
|--|---|
| Level  | -7 - +7   |
| Knee - Mode  | Auto / Manual   |
| Auto Set   | Max Point / Sensitivity   |
| Manual Set   | Point / Slope   |
| Color Mode - Type  | STANDARD, STILL, Cinematone1,Cinematone2, PRO, ITU709 MATRIX              |
| Level  | 1 - 8   |
| Color Level  | -8 - +7   |
| Color Phase  | -7 - +7   |
| Color Depth - R / G / B / C / M / Y  | -7 - +7   |
| WB Shift - Filter Type   | LB-CC / R-B   |
| LB[Color Temperature] / CC[MG/GR] / R Gain / B Gain  | -9 - +9   |
| Detail - Level / Manual Set / V/H Balance / B/W Balance / Limit / Black Limit / White Limit    | -7 - +7 / Yes (ON / OFF) / -2 - +2 / Type1, 2, 3, 4, 5 / 0 - +7 / No / No |
| Crispeneing / High-light Detail  | 0 - +7 / 0- +4  |
| Skintone Detail / Level / Color Sel / Phase / Range / Saturation / Reverse / Y Level / Y Range | No  |
| Color Correction / Profile Name  | No  |
| Copy / Reset   | Yes   |

## CAMERA (STILL IMAGE)

|                         |                 |
|-------------------------|-----------------|
| Still Image             | Yes             |
| Number of pixels (16:9) | 13.6M/7.1M/3.4M |
| Number of pixels (4:3)  | 16.0M,8.4M,4.0M |

## REC / PLAYBACK / OUTPUT

|                           |  |
|---------------------------|--|
| Recording Format - HD     | MPEG-4 AVC/H.264 AVCHD 2.0 format compatible |
| Recording Format - SD/STD | MPEG-2 PS                                    |

## REC / PLAYBACK / OUTPUT

|  |   |
|--|---|
| Recording Mode [60Hz] - HD PS (28Mbps) 1920x1080/60p / HD FX (24Mbps) 1920x1080/60i                      | Yes   |
| HD FH (17Mbps) 1920x1080/60i / HD HQ (9Mbps) 1440x1080/60i   | Yes   |
| HD SP (7Mbps) 1440x1080/60i  | No (Except for playback)                      |
| HD LP (5Mbps) 1440x1080/60i / HD FX (24Mbps) 1920x1080/24p / HD FH (17Mbps) 1920x1080/24p                | Yes   |
| HD FX (24Mbps) 1920x1080/30p / HD FH (17Mbps) 1920x1080/30p  | Yes   |
| SD/STD HQ (9Mbps) 720x480/60i (24p Scan) / SD/STD HQ (9Mbps) 720x480/60i (30p Scan)                      | No (Except for playback)                      |
| SD/STD SP (6Mbps) 720x480/60i / SD/STD LP (3Mbps) 720x480/60i  | No (Except for playback)                      |
| Recording Mode [50Hz] - HD PS (28Mbps) 1920x1080/50p / HD FX (24Mbps) 1920x1080/50i                      | Yes   |
| HD FH (17Mbps) 1920x1080/50i / HD HQ (9Mbps) 1440x1080/50i   | Yes   |
| HD SP (7Mbps) 1440x1080/50i  | No (Except for playback)                      |
| HD LP (5Mbps) 1440x1080/50i / HD FX (24Mbps) 1920x1080/25p / HD FH (17Mbps) 1920x1080/25p                | Yes   |
| HD FX (24Mbps) 1280x720/50p / HD FH (17Mbps) 1280x720/50p / SD/STD HQ (9Mbps) 720x576/50i                | Yes   |
| SD/STD HQ (9Mbps) 720x576/50i (25p Scan) / SD/STD SP (6Mbps) 720x576/50i / SD/STD LP (3Mbps) 720x576/50i | No (Except for playback)                      |
| Recording Media - External Memory  | Memory Stick, SD / SDHC / SDXC Memory Card *3 |

## REC / PLAYBACK / OUTPUT

|  |   |
|--|---|
| Flash Memory Unit / Internal Memory  | Yes / No                                      |
| Memory Stick Type *4 - Memory Stick / Memory Stick Duo / Memory Stick PRO / Memory Stick PRO Duo     | No  |
| Memory Stick PRO Duo(Mark2) / Memory Stick PRO-HG Duo / Memory Stick PRO-HG Duo HX                   | Yes   |
| Memory Stick Micro   | No  |
| SD/STD Wide Rec  | Yes (ON / OFF)                                |
| Simultaneous Rec - HD-HD / HD-SD/STD / SD/STD-SD/STD   | Yes / No / No                                 |
| Rec Button Set / Relay Rec   | No  |
| Slow & Quick Motion - Rec Format / Scan Frame Rate / Shutter Speed / Trigger Type                    | No  |
| GolfShot   | No  |
| GPS Rec / Date Rec   | Yes (ON / OFF)                                |
| Interval Rec / Smooth Interval Rec / Frame Rec / Rec Review / Last Scene Review                      | No / No / No / No / Yes                       |
| Playback - Search (+/-) / Scan (+/-) / Step (+/-) / Next - Previous / Slow Playback / 2x Playback    | No / Yes / No / Yes / Yes / No                |
| Photo Capture from Playback mode   | Yes   |
| Original Edit - Delete / Protect / Move / Copy / Trimming / Divide / Combine                         | Yes (Select) / Yes / No / Yes / No / Yes / No |
| Playlist Edit - Number of Playlist / Add-Erase-Erase All / Move / Copy / Trimming / Divide / Combine | No  |
| Movie Dubbing - Memory card --> Flash Memory Unit / Flash Memory Unit --> Memory card                | Yes   |
| Photo Copy - Memory card --> Flash Memory Unit / Flash Memory Unit --> Memory card                   | Yes   |

## REC / PLAYBACK / OUTPUT

|   |   |
|---|---|
| Media Format / Media Empty / Repair Imaging Data Base File        | Yes   |
| USB Connect - Memory card / Internal Memory / Flash Memory Unit   | Yes / No / No                                       |
| Direct Copy   | Yes   |
| Playback Zoom / NTSC Playback on PAL TV / PAL Playback on NTSC TV | Yes(Still Only) / No / No                           |
| HDMI TC Output  | Yes   |
| Video Output / Output Select                                      | Yes / Yes (HDMI/COMPONENT, VIDEO)                   |
| HDMI / Component  | Yes   |
| HDMI / Component  | 1080p/480i, 720p/480i, 1080i/480i, 480p, 480i [60i] |
| HDMI / Component  | 1080p/576i, 720p/576i, 1080i/576i, 576p, 576i [50i] |
| P/PsF / SDI / Down Convert Type                                   | No / No / Yes (Squeeze, Letter Box 16:9, Edge Crop) |
| SD-SDI Set / Video Index / RP188 ATC / VITC Line Select [60i]     | No  |

## AUDIO

|  |  |
|--|--|
| Audio Format - HD  | Linear PCM 2ch, 16bit, 48kHz / Dolby Digital 2ch, 16bit, 48kHz |
| Audio Format - SD/STD  | Dolby Digital 2ch, 16bit, 48kHz                                |
| Audio Limit  | Yes (ON / OFF)   |
| Built-in Microphone / INT MIC NR / INT MIC Sensitivity / Wind Position         | Yes / No / Yes / Yes   |
| XLR Input  | Yes (INPUT1, 2)  |
| INPUT1 switch / INPUT2 switch  | Yes (LINE, MIC, MIC +48V) / Yes (LINE, MIC, MIC +48V)          |
| ATT(INPUT1) switch / ATT(INPUT2) switch  | No   |
| LOW CUT(INPUT1) switch / LOW CUT(INPUT2) switch / REC CH SELECT(INPUT1) switch | No   |

## AUDIO

|   |   |
|---|---|
| CH1 select switch / CH2 select switch   | Yes (INT MIC, INPUT1) / Yes (INT MIC, INPUT1, INPUT2)   |
| AUTO / MAN (CH1) switch / AUTO / MAN (CH2) switch /                                   | Yes (AUTO / MAN)  |
| AUDIO LEVEL (CH1) dial / AUDIO LEVEL (CH2) dial                                       | Yes (0 - 10)  |
| XLR AGC Link / Manual Gain  | Yes (Separate / Linked) / No  |
| INPUT1 MIC NR / INPUT1 Trim / INPUT1 Wind / INPUT2 MIC NR / INPUT2 Trim / INPUT2 Wind | No / Yes (-18 - +12 dB, 6dB steps) / Yes (ON / OFF) / No / Yes (-18 - +12 dB, 6dB steps) / Yes (ON / OFF) |
| Headphone / Audio Monitor / Audio Output Timing / Volume Control                      | Yes / Yes(CH1, CH2, STEREO / MIX) / Yes(fixed to ON) / Yes(+)(-) 16steps                                  |
| Speaker / Speaker Volume Control  | Yes (18mm) / Yes(+)(-) 16steps  |

## LCD SCREEN

|   |  |
|---|--|
| Size  | 8.8cm (3.5Type) WIDE (16:9) ratio                |
| Number of Pixels  | 921,600 dots (1920x480)                          |
| XtraFine LCD / Hybrid LCD Monitor / Touch Panel / LCD ON/OFF *1 / Backlight On/Off / LCD Brightness | Yes / No / Yes / No / No / Yes (Normal / Bright) |
| Color Control / Hue Control / Upside Down-Mirror  | No / No / Yes                                    |
| Opening Angle / Turning Angle (Counter Clockwise / Clockwise) / For Monitoring                      | 90 deg / 270 deg / 0deg / 90 deg                 |
| Anti-refraction Treatment / Anti-fingerprint Treatment  | Yes  |

## DISPLAY

|  |   |
|--|---|
| Zebra / Level  | Yes (ON / OFF) / 70 - 100%, 5% steps / 100+   |
| Peaking / Color / Level                              | Yes (ON / OFF) / Yes (White, Red, Yellow) / Yes (HIGH, Middle, Low)   |
| Marker / Center / Aspect / Safety Zone / Guide Frame | Yes (ON / OFF) / Yes (ON / OFF) / Yes (OFF, 4:3, 13:9, 14:9, 15:9, 1.66:1, 1.85:1, 2.35:1) / Yes (OFF, 80%, 90%) / Yes (ON / OFF) |
| Histogram  | Yes (OFF / ON / ON [Zebra Point])   |
| EXP.FOCUS Type                                       | Yes(x4.0,x8.0,x4.0/8.0)   |

## DISPLAY

|                               |  |
|-------------------------------|--|
| Camera Data Display           | Yes (ON / OFF)                             |
| Audio Level Display           | Yes (ON / OFF)                             |
| Zoom Display                  | Yes (Bar / Number)                         |
| Focus Display                 | Yes  |
| Shutter Speed Display         | Yes(Second/Degree)                         |
| ISO Sensitivity Display       | Yes  |
| [Move] Remaining Time Display | Yes (Auto)                                 |
| GPS Time Display              | Yes  |
| OSDOutput                     | Yes (LCD / All OUTPUT)                     |
| Data Code Display             | Yes (Rec Date/Time, GPS info, Camera info) |
| Media Info                    | Yes(Status Check)                          |
| Display Settings              | Yes(ON/OFF/ALLOFF)                         |

## TC/UB SET

|                                      |   |
|--------------------------------------|---|
| TC PRESET / UB PRESET                | Yes (PRESET / RESET)  |
| TC FORMAT / TC RUN / TC MAKE         | Yes (DF / NDF) / Yes (REC RUN / FREE RUN) / Yes (PRESET / REGENERATE) |
| UB TIME REC                          | Yes (ON / OFF)  |
| TC LINK - i.LINK jack / TC LINK jack | No  |
| TC COUNTUP / UB DATE / TC TIME       | No  |

## OTHERS (MENU)

|  |                              |
|--|------------------------------|
| Assignable Button  | Yes (ASSIGN1, 2, 3, 4, 5, 6) |
| Clock Set / Area Set   | Yes                          |
| Summer Time Set / Beep Sound / Front Tally / Rear Tally / Remote | Yes (ON / OFF)               |
| 60i/50i Sel  | Yes                          |
| Operation Time   | Yes                          |
| Caribration  | Yes                          |
| Charge on camcorder  | No                           |
| Auto Shut Off  | No                           |

## OTHERS (MENU)

|                    |     |
|--------------------|-----|
| InfoLITHIUM system | Yes |
|--------------------|-----|

## Multi-Language

|                          |  |
|--------------------------|--|
| Multi-Language Operation | English / French / Spanish / Russian / Simplified Chinese/ Portuguese / Brazilian Portuguese / Traditional Chinese / Korean / Arabic / Persian / Thai / Indonesian / Malay |
|--------------------------|--|

|                  |         |
|------------------|---------|
| Default Language | English |
|------------------|---------|

## REMOTE COMMANDER

|                  |         |
|------------------|---------|
| Remote Commander | RMT-845 |
|------------------|---------|

|   |                           |
|---|---------------------------|
| Movie - REC Start/Stop / Zoom / Review / Display / TC RESET | Yes / No / No / Yes / Yes |
|---|---------------------------|

|  |  |
|--|--|
| Movie/Play/Edit common - Cursor Key (4 directional) / Enter / Mode / Display | Yes / Yes / Yes (for Visual Index) / Yes |
|--|--|

|  |     |
|--|-----|
| View Images position - PB / Stop / NEXT / PREV | Yes |
|--|-----|

|                   |    |
|-------------------|----|
| STEP(+) / STEP(-) | No |
|-------------------|----|

|           |           |
|-----------|-----------|
| SCAN/SLOW | Yes / Yes |
|-----------|-----------|

|       |     |
|-------|-----|
| Pause | Yes |
|-------|-----|

|             |    |
|-------------|----|
| Line In REC | No |
|-------------|----|

|           |     |
|-----------|-----|
| Data Code | Yes |
|-----------|-----|

|      |      |
|------|------|
| Mode | DVD2 |
|------|------|

## JACK

|  |                                  |
|--|----------------------------------|
| SDI Out jack / HDMI Out jack / i.LINK jack | No / Yes (Type A connector) / No |
|--|----------------------------------|

|  |  |
|--|--|
| Component Out jack / Video Out jack / Audio Out jack | Yes (Pin connector x3) / Yes (Pin connector x1) / Yes (Pin connector x2) |
|--|--|

|   |    |
|---|----|
| S-Video jack / A/V Remote connector / TC LINK In/Out jack | No |
|---|----|

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Headphone jack / MIC input jack | Yes (Stereo-minijack Ø 3.5 mm) / No |
|---------------------------------|-------------------------------------|

|                             |                    |
|-----------------------------|--------------------|
| Audio Input1 / Input2 jacks | Yes (XLR 3-pin x2) |
|-----------------------------|--------------------|

|          |                          |
|----------|--------------------------|
| USB jack | Yes (mini AB / Hi-Speed) |
|----------|--------------------------|

|             |                                     |
|-------------|-------------------------------------|
| Remote jack | Yes (Stereo mini-minijack Ø 2.5 mm) |
|-------------|-------------------------------------|

## JACK

|                                     |          |
|-------------------------------------|----------|
| DC IN jack / Flash Memory Unit jack | No / Yes |
|-------------------------------------|----------|

## GENERAL

|  |  |
|--|--|
| Mass (Body only)   | 1720g / 3lb 12.7oz                                   |
| Battery, VF w/ large eyecup, handle - NP-F770                        | 2980g / 6lb 9.1oz                                    |
| ECM-XM1, grip w/o gripbelt) - NP-F970                                | 3160g / 6lb 15.5oz                                   |
| Power Consumption *2 (w/ ECM-XM1 and LCD with normal brightness)     | 5.4W (w/ SELP18200 Lens)                             |
| Power Requirements (AC adaptor / Battery)                            | 7.6V / 7.2V  |
| Dimension (WxHxD) (including protrusions) / (Body only)              | 142.5 x 203 x 305.5 (mm) / 5 5/8 x 8 x 12 1/8 (inch) |
| Dimension (WxHxD) (including protrusions) / (Body w/ SEL(P)18200) *5 | 251.5 x 207.5 x 429.5 (mm) / 10 x 8 1/4 x 17 (inch)  |
| Carton size (WxHxD)  | 550 x 245 x 245 (mm)                                 |
| Operating Temperature  | 0 to +40 deg C (+32 to +104 deg F)                   |
| Storage Temperature  | -20 to +60 deg C (-4 to +140 deg F)                  |
| Dustproof/Rainproof  | No   |
| Accessory Shoe - Normal  | Yes  |
| Multi Interface Shoe   | Yes  |

## Remarks

|                                      |  |
|--------------------------------------|--|
| 1 - LCD ON/OFF                       | LCD will be turned on/off in accordance with LCD open/close.   |
| 2 - Power Consumption                | When Flash Memory Unit HXR-FMU128 is used, the average power consumption increases about 1.1 W.                |
| 3 - Recommended Speed Class          | AVCHD Model / Class 4 or higher , Standard Definition Model / Class 2 or higher                                |
| 4- Compatible Memory Stick (tm) type | Recommended MS : AVCHD Model / Capacity: more than 1GB , Standard Definition Model / Capacity: more than 512MB |
| 5- Dimension                         | Including VF w/ large eyecup, handle, ECM-XM1, grip w/o gripbelt   |

## Remarks

7- ISO Setting Range                      Setting range when picture profile is set to [OFF] in movie mode

## Supplied Accessory

AC Adaptor - AC-VL1                      1

Rechargeable Battery Pack - NP-F770                      1

Connecting cord - DK-415                      1

Memory Stick RRO-Duo                      0

Microphone - ECM-XM1                      1

Remote Commander - RMT-845                      1

Component video cable                      0

A/V connecting cable                      1

USB cable                      1

USB Adaptor Cable - VMC-UAM1                      1

Large eyecup                      1

Lens - SEL18200                      0

Lens hood with lens cover - Lens cap & Lens hood                      1

Accessory shoe kit - Shue spring                      1

Lithium Battery - CR2025                      1

Clock Lithium (Installed)                      1

Application Software (CD-ROM) - Content Browser                      1

## Related products



### LMD-B170

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



### LMD-B240

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



---

© 2004 - 2026 Sony Corporation. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice. The values for mass and dimension are approximate. All trademarks are the property of their respective owners.