



Cameras & Camcorders 4K/HD Camcorders

4K Professional Camcorder HC-X2000

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| SENSOR SECTION | Image Sensor | 1/2.5-type (inch) MOS Sensor | | |
| | Effective Pixels | 8.29 megapixels | | |
| | F Value | F1.8 — 4.0 | | |
| | Optical Zoom | 24x | | |
| | Focal Length | 4.12 — 98.9mm | | |
| LENS SECTION | 35 mm Film Camera Equivalent | 25.0 — 600.0 mm | | |
| | Filter Diameter | 62 mm | | |
| | Lens Brand | Leica Dicomar Lens | | |
| | Minimum Illumination | 1.5 lx (F1.8, Super Gain +, 1/30) | | |
| CAMERA SECTION | Focus | Auto / Manual | | |
| | Zoom | Intelligent Zoom OFF | 24x | |
| | | Intelligent Zoom ON | Max. 48x (UHD 32x) | |
| | | Digital Zoom | 2x / 5x / 10x | |
| | Shutter Speed | 59.94 Hz mode | 59.94i/59.94p: 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec 29.97p: 1/30, 1/50, 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec 23.98p: 1/24, 1/48, 1/50, 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec | |
| | | 50.00 Hz mode | 50i/50p: 1/50, 1/60, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec 25p: 1/25, 1/50, 1/60, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec | |
| | | Slow Shutter Speed | 59.94 Hz mode | 59.94i/59.94p: 1/8, 1/15, 1/30 sec 29.97p: 1/8, 1/15 sec 23.98p: 1/6, 1/12 sec |
| | | | 50.00 Hz mode | 50i/50p: 1/6, 1/12, 1/25 sec 25p: 1/6, 1/12 sec |

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| RECORDING SECTION | Super Slow Recording Frame Rate | 59.94 Hz mode | FHD 120 fps (1/2 speed at 60p, 1/4 speed at 30p, 1/5 speed at 24p) | |
| | | 50.00 Hz mode | FHD 100 fps (1/2 speed at 50p, 1/4 speed at 25p) | |
| | | ND Filter | 1/4, 1/16, 1/64, OFF | |
| | | IR Filter | Incorporates the ON/OFF control function | |
| | | White Balance | Auto / ATW LOCK / 3200K / 5600K / VAR (2000K—15000K) / Ach Fixed / Bch Fixed | |
| | | Iris | Auto / Manual | |
| | | Image Stabilizer | Ball O.I.S., 5-Axis HYBRID O.I.S. (UHD/FHD) | |
| | | Recording Media | SDHC/SDXC Memory Card | |
| | | Recording Format | MOV, MP4, AVCHD | |
| | | Video Compression Method | MOV/MP4: H.264/MPEG-4 AVC High Profile, H.265/MPEG-H HEVC Main10 Profile AVCHD: H.264/MPEG-4 AVC High Profile | |
| | | Audio Compression Method | MOV: LPCM (24bit 2ch) MP4: AAC (16bit 2ch) AVCHD: Dolby Audio (16bit 2ch) | |
| | | System Frequency | 59.94Hz / 50.00Hz | |
| | | Recording / Playback Mode | MOV (HEVC) | [4:2:0 10bit] UHD 3840x2160 59.94p/50.00p HEVC 200M: Average 200Mbps (VBR) UHD 3840x2160 29.97p/25.00p/23.98p HEVC 150M: Average 150Mbps (VBR) |
| | | | MOV | [4:2:0 8bit] UHD 3840x2160 59.94p/50.00p 150M: Average 150Mbps (VBR) UHD 3840x2160 29.97p/25.00p/23.98p 100M: Average 100Mbps (VBR) [4:2:2 10bit] UHD 3840x2160 29.97p/25.00p/23.98p 150M: Average 150Mbps (VBR) FHD 1920x1080 59.94p/50.00p 200M (ALL-Intra): Average 200Mbps (VBR) FHD 1920x1080 29.97p/25.00p/23.98p 100M (ALL-Intra): Average 100Mbps (VBR) FHD 1920x1080 59.94i/50i 100M (ALL-Intra): Average 100Mbps (VBR) FHD 1920x1080 59.94p/50.00p 100M: Average 100Mbps (VBR) FHD 1920x1080 29.97p/25.00p/23.98p/59.94i/50.00i 50M: Average 50Mbps (VBR) |
| | | MP4 (HEVC) | [4:2:0 10bit] UHD 3840x2160 59.94p/50.00p HEVC 100M: Average 100Mbps (VBR) UHD 3840x2160 29.97p/25.00p/23.98p HEVC 72M: Average 72Mbps (VBR) | |

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| LIVE STREAMING | MP4 | [4:2:0 8bit] UHD 3840x2160 29.97p/25.00p/23.98p 72M: Average 72Mbps (VBR) FHD 1920x1080 59.94p/50.00p/23.98p 50M: Average 50Mbps (VBR) |
| | AVCHD | [4:2:0 8bit] PS 1920x1080 59.94p/50.00p: Average 25Mbps (VBR) PH 1920x1080 59.94i/50.00i/23.98p: Average 21Mbps (VBR) HA 1920x1080 59.94i/50.00i: Average 17Mbps (VBR) PM 1280x720 59.94p/50.00p: Average 8Mbps (VBR) |
| | P2 | — |
| | Video Compression Format | H.264/MPEG-4 AVC Main Profile, High Profile |
| | Video Resolution | 1920 x 1080 (FHD), 1280 x 720 (HD), 640 x 360, 320 x 180 |
| | Streaming Method | Unicast, Multicast |
| | Frame Rate | System frequency = 59.94 Hz: 30 fps, 60 fps System frequency = 50.00 Hz: 25 fps, 50 fps |
| | Bit Rate | 24 Mbps, 20 Mbps, 16 Mbps, 14 Mbps, 8 Mbps, 6 Mbps, 4 Mbps, 3 Mbps, 2 Mbps, 1.5 Mbps, 1 Mbps, 0.7 Mbps, 0.5 Mbps |
| | Audio Compression Format | AAC-LC, 48 kHz/16 bit, 2ch |
| | STILL IMAGE SECTION | Network Protocol |
| Recording Format | | JPEG (DCF/Exif2.2) |
| Recording Image Size* | | Video Playback Mode: 3840 x 2160 (16:9), 1920 x 1080 (16:9), 1280 x 720 (16:9) |
| GENERAL SECTION | Power Supply | 7.28V (Battery) / 12V (AC Adaptor) |
| | Power Consumption | 15.5W (LCD Monitor) |
| | Dimensions (W x H x D) | Approx. 129 x 159 x 257 mm (5.08 x 6.26 x 10.1 inch) |
| | Weight | Body: approx. 0.9kg (1.98 lb) (body only, excluding handle, lens hood, battery, and accessories) Shooting: approx. 1.5kg (3.31 lb) (including handle, lens hood, battery, and eyecup) |
| | LCD Monitor | 8.88 cm (3.5-inch) Wide LCD monitor (About 2,760,000 dots) (For Europe) 3.5-inch Wide LCD monitor (About 2,760,000 dots) (For North America / Asia) |
| | Viewfinder | 0.61 cm (0.24-inch) Wide EVF (About 1,560,000 dots) (For Europe) 0.24-inch Wide EVF (About 1,560,000 dots) (For North America / Asia) |
| | Manual Ring | |

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| INTERFACE SECTION | LED Video Light | Accessory Shoe | Focus / Zoom or Iris |
| | | | Yes |
| | | Average Illumination | Approx. 70 lx (1.0m) |
| | | Irradiation Angle | Approx. 30° |
| | | Color Temperature | Approx. 4600K |
| | Video | SDI OUT | BNC x 1, 0.8V[p-p], 75Ω, 3G/1.5G HD-SDI supported Output format: 1080/59.94p LEVEL-A/50.00p LEVEL-A, 1080/29.97PsF/25.00PsF/23.98PsF, 1080/59.94i/50.00i, 720/59.94p/50.00p |
| | | HDMI | Type A x 1 (VIERA Link not supported) Output format: 2160/59.94p/50.00p/29.97p/25.00p/23.98p, 1080/59.94p/50.00p/29.97p/25.00p/23.98p/59.94i/50.00i, 720/59.94p/50.00p, 480/59.94p, 576/50.00p |
| | | Built-in Microphone | Stereo microphone |
| | | Microphone Input | 3.5mm stereo mini jack x 1 |
| | Audio Input | XLR Input | XLR (3 pins) x 2 Input high impedance, LINE/MIC/MIC+48 V (switchable SW) LINE: +4dBu/0dBu (switchable menu) MIC: -40dBu/-50dBu/-60dBu (switchable menu) |
| | | SDI | 2 ch (LPCM) Gain: 0dB/-6dB/-8dB |
| | | HDMI | 2 ch (LPCM 24bit) |
| | Audio Output | Headphone | 3.5 mm diameter stereo mini jack x 1 |
| | | Speaker | 15 mm diameter, round x 1 |