



4K 60p/50p/25p/24p Ultra HD Professional Camcorder with 20X LEICA DICOMAR Lens - HC-X1 HC-X1

- **MORE DETAILS**

- **NOTE** Specifications are subject to change without notice.
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- **SENSOR SECTION**

- **Image Sensor** 1-type (inch) MOS Sensor
 - **Total Pixels** N/A
 - **Effective Pixels** UHD/FHD 59.94p/29.97p/23.98p : 8.79 megapixels
 - **Effective Pixels** 4K 24.00p : 9.46 megapixels
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- **LENS SECTION**

- **F Value** F2.8 — F4.5
 - **Optical Zoom** 20x
 - **Focal Length** 8.8 — 176 mm
 - **35 mm Film Camera Equivalent (Motion Image/Still Image)** 25.4 — 508.0 mm [UHD/FHD 59.94p/29.97p/23.98p], 24.0 — 480.0 mm [4K24.00p]
 - **Filter Diameter** 67 mm
 - **Lens Brand** Leica Dicomar Lens
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- **CAMERA SECTION**

- **Standard Illumination** N/A
- **Minimum Illumination** 0.2 lx (F2.8, Gain 18dB, Manual Slow Shutter 1/2, [HIGH SENS] Mode)
- **Focus** Auto / Manual
- **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
- **Shutter Speed** N/A
- **Iris** Auto / Manual

- Super Slow Recording N/A
- Image Stabilizer 4K24.00p / UHD: Optical image stabilizer
- Image Stabilizer FHD or lower: 5-Axis Hybrid Image Stabilizer
- *Zoom*
- Intelligent Zoom OFF 20x
- Intelligent Zoom ON 30x
- Digital Zoom 2x / 5x / 10x
- *Shutter Speed*
- 59.94 Hz mode 60i/60p: 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
- 59.94 Hz mode 30p: 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
- 59.94 Hz mode 24p: 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
- 50.00 Hz mode 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 60i/60p: 1/2, 1/4, 1/8, 1/15, 1/30 sec
- 59.94 Hz mode 30p: 1/2, 1/4, 1/8, 1/15 sec
- 59.94 Hz mode 24p: 1/2, 1/3, 1/6, 1/12 sec
- 50.00 Hz mode 50i/50p: 1/2, 1/3, 1/6, 1/12, 1/25 sec
- 50.00 Hz mode 25p: 1/2, 1/3, 1/6, 1/12 sec
- *Synchro Scan*
- 59.94 Hz mode 59.94i/59.94p: 1/60.0 — 1/249.7 sec
- 59.94 Hz mode 29.97p: 1/30.0 — 1/249.7 sec
- 59.94 Hz mode 23.98p: 1/24.0 — 1/249.6 sec
- 59.94 Hz mode 24.00p: 1/24.0 — 1/249.9 sec
- 50.00 Hz mode 50i/50p: 1/50.0 — 1/250.0 sec
- 50.00 Hz mode 25p: 1/25.0 — 1/250.0 sec
- *VFR Recording Frame Rate*
- 59.94 Hz mode 30p: 2, 15, 26, 28, 30, 32, 34, 45, 60 fps
- 59.94 Hz mode 24p: 2, 12, 20, 22, 24, 26, 28, 36, 48, 60 fps
- 50.00 Hz mode 25p: 2, 12, 21, 23, 25, 27, 30, 37 and 50 fps
- *Sensitivity*
- HIGH SENS.mode F11 (2,000 lx, 3,200 K, 89.9% reflect, 1080/59.94i) / F12 (2,000 lx, 3,200 K, 89.9% reflect, 1080/50i)

- **NORMAL mode F8 (2,000 lx, 3,200 K, 89.9% reflect, 1080/59.94i) / F9 (2,000 lx, 3,200 K, 89.9% reflect, 1080/50i)**
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• **RECORDING SECTION**

- **Recording Media SDHC/SDXC Memory Card**
 - **Recording Format MOV, MP4, AVCHD**
 - **Video Compression Method MPEG-4 AVC/H.264 High Profile (MOV/MP4/AVCHD)**
 - **Audio Compression Method MOV / MP4: LPCM (2ch)**
 - **Audio Compression Method AVCHD: Dolby Digital (2ch)**
 - **System Frequency 59.94Hz / 50.00Hz**
 - **Thumbnail Display N/A**
 - **Microphone N/A**
 - **Speaker N/A**
 - ***Recording / Playback Mode***
 - **MP4 N/A**
 - **MOV N/A**
 - **MP4/ MOV 4K 4096x2160 24.00p 100M: Average 100Mbps (VBR)**
 - **MP4/ MOV UHD 3840x2160 59.94p/50.00p 150M: Average 150Mbps (VBR)**
 - **MP4/ MOV UHD 3840x2160 29.97p/25.00p/23.98p 100M: Average 100Mbps (VBR)**
 - **MP4/ MOV FHD 1920x1080 59.94p/50.00p/29.97p/25.00p/23.98p 200M (ALL-Intra): Average 200Mbps (V)**
 - **MP4/ MOV FHD 1920x1080 59.94p/50.00p 100M: Average 100Mbps (VBR)**
 - **MP4/ MOV FHD 1920x1080 59.94p/50.00p/29.97p/25.00p/23.98p/59.94i/50.00i 50M: Average 50Mbps (VB**
 - **AVCHD PS 1920x1080 59.94p/50.00p: Average 25Mbps (VBR)**
 - **AVCHD PH 1920x1080 59.94i/50.00i/23.98p: Average 21Mbps (VBR)**
 - **AVCHD HA 1920x1080 59.94i/50.00i: Average 17Mbps (VBR)**
 - **AVCHD HE 1440x1080 59.94i/50.00i: Average 5Mbps (VBR)**
 - **AVCHD PM 1280x720 59.94p/50.00p: Average 8Mbps (VBR)**
 - **AVCHD SA 720x480/720x576 59.94i/50.00i (SIDE CROP/LETTERBOX/SQUEEZE): Average 9Mbps (VE**
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• **STILL IMAGE SECTION**

- **Recording Format JPEG (DCF/Exif2.2)**
 - **Recording Image Size [17:9] 8.8megapixels (4096 x 2160)**
 - **Recording Image Size [16:9] 8.3megapixels (3840 x 2160), 2.1 megapixels (1920 x 1080), 0.9 megapixels (12720)**
 - **Flash N/A**
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• **GENERAL SECTION**

- Power Supply 7.28V (Battery) / 12V (AC Adaptor)
 - Power Consumption 19.7W (LCD Monitor)
 - Dimensions (W x H x D) Approx. 173 x 195 x 346 mm (6.81 x 7.68 x 13.6 inch)
 - Weight (w/o Battery and SD Card) Approx. 2000g (4.41 lb)
 - LCD Monitor 3.5" Wide LCD monitor (1,152,000 dots)
 - Viewfinder 0.39" OLED (1,769,000 dots)
 - Manual Ring Focus / Zoom / Iris
 - Accessory Shoe Yes
 - *Interface*
 - AV N/A
 - HDMI N/A
 - XLR Input N/A
 - Headphone N/A
 - USB N/A
 - Camera Remote N/A
 - *LED Video Light*
 - Average Illumination N/A
 - Irradiation Angle N/A
 - Color Temperature N/A
 - Average Illumination with Diffusion Filter N/A
 - Color Temperature with Color Conversion Filter N/A
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• INTERFACE SECTION

- *Video*
- VIDEO OUT Video OUT x 1
- HDMI Type A x 1 (Not compatible with VIERA Link)
- HDMI Output format: 2160/59.94p/50.00p/29.97p/25.00p/24.00p/23.98p/, 1080/59.94p/50.00p/29.97p/25.00p/24.00p/23.98p/59.94i/50.00i/, 720/59.94p/50.00p, 480/59.94p, 576/50.00p
- *Audio Input*
- Built-in Microphone Stereo microphone
- XLR Input XLR (3 pins) x 2
- XLR Input Input high impedance, LINE/MIC/MIC+48 V (switchable SW)
- XLR Input LINE: +4dBu/0dBu (switchable menu)
- XLR Input MIC: -40dBu/-50dBu/-60dBu (switchable menu)
- *Audio Output*
- HDMI 2 ch (LPCM)

- **Audio OUT Audio OUT x 2**
 - **Headphone 3.5 mm diameter stereo mini jack x 1**
 - **Speaker 20 mm diameter, round x 1**
 - ***Other Input/Output***
 - **Camera Remote 2.5mm super mini jack x 1 (ZOOM S/S)**
 - **Camera Remote 3.5mm mini jack x 1 (FOCUS/IRIS)**
 - **USB 3.0 HOST Standard-A connector, 9-pin, for External Media Device Connection,* Bus Power Supply**
 - **USB 3.0 HOST *External media device with a capacity of 32 GB or below or a capacity above 2 TB cannot be used**
 - **USB 3.0 DEVICE Micro-B connector, 10-pin, Mass storage function (read only)**
 - **DC IN DC 12V (11.4V — 12.6V) EIAJ Type4**
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- **Wi-Fi**

- **Standard N/A**
 - **Frequency N/A**
 - **NFC N/A**
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- **STANDARD ACCESSORY**

- **AC Adaptor Yes**
- **AC Cable Yes**
- **Rechargeable Battery Pack Yes (5,900mAh)**
- **Battery Charger Yes**
- **IR Remote —**
- **HDMI Cable —**
- **AV Multi Cable N/A**
- **AV Cable —**
- **Shoe adaptor N/A**
- **USB Cable —**
- **Microphone Holder Yes**
- **Microphone Holder Screws Yes**
- **Input Terminal Cap Yes**
- **Shoulder Strap N/A**
- **Eye Cup Yes**
- **Lens Hood Yes**
- **Lens Cap N/A**
- **LED Light Filter N/A**
- **Editing Software —**

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