



PROFESSIONAL CAMCORDER

XF705

4K UHD PRO CAMCORDER



THE NEW FLAGSHIP PROFESSIONAL CAMCORDER WITH HDR RECORDING

The new XF705 Professional Camcorder puts impressive 4K UHD 4:2:2 10-bit recording capabilities into a compact and portable design, and is the first Canon camcorder to adopt the H.265/HEVC. Featuring a 1.0-inch CMOS sensor, HDR (HLG/PQ) recording, Dual Pixel CMOS AF and more, the XF705 is ideal for capturing news, documentaries, sports and other events.

4K UHD Lens with Optical Image Stabilization

The XF705 Professional Camcorder uses a Genuine Canon 15x optical 4K zoom lens and incorporates a 5-axis Optical Image Stabilization system. The lens maintains 4K UHD quality throughout the entire zoom range and offers a focal length range of 25.5 to 382.5mm (35mm film equivalent).



4K Video Lens

4K UHD 59.94p 4:2:2 10-bit Recording

The XF705 Professional Camcorder supports 4K UHD 59.94p 4:2:2 10-bit recording in XF-HEVC (4:2:2 10-bit) or XF-AVC (4:2:0 8-bit) compression for natural and realistic 4K video production.

XF-HEVC

1.0-inch CMOS Sensor and Dual DIGIC DV 6 Image Processors

The XF705 Professional Camcorder features a Canon 1.0-inch 4K UHD CMOS image sensor and dual DIGIC DV 6 Image Processors, providing high-quality 4K UHD video capture up to 60p.



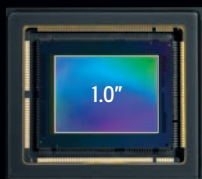
1.0" type CMOS



DUAL

HDR Recording (HLG and PQ Formats)

HDR recording is available in Hybrid Log Gamma (HLG) and Perceptual Quantization (PQ) formats. This helps ensure full color rendition and wide latitude with a much greater range from black to pure white – ideal for live streams, broadcasts and post-production projects.



1.0-inch CMOS sensor



Dual DIGIC DV 6



HDR



SDR

Live IP Streaming

IP transmission offers the ability to stream video live online in either the H.265/HEVC or H.264/AVC encoding format to a variety of TV and social media platforms.

Dual Pixel CMOS AF

The XF705 Professional Camcorder features Dual Pixel CMOS AF, Canon's exclusively developed high-speed, high-precision autofocus technology. It implements phase-difference AF for smooth focusing that's ideal for 4K UHD 60p recording and other high frame rate applications.

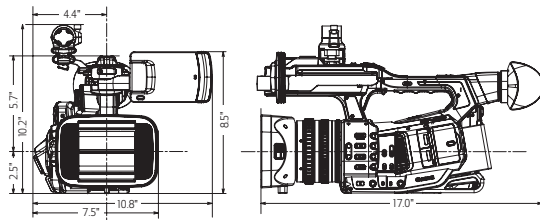


SPECIFICATIONS

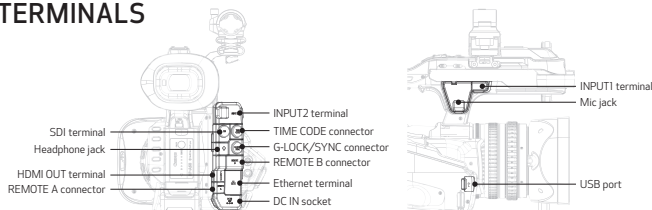
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|---|--|
| Standard Definition or High Definition | 4K Ultra High Definition |
| Power Supply (Rated) | 14.4 V DC (battery pack), 24 V DC (DC IN) |
| Video Recording System | Compression: H.265/HEVC or MPEG-4 AVC/H.264 Color Sampling: 4:2:2 (10-bit) or 4:2:0 (8-bit) File Format: MXF Recording Modes: XF-HEVC 160 Mbps/110 Mbps: 3840x2160 (60p/30p/24p) XF-HEVC 60 Mbps/45Mbps: 1920x1080 (60p/30p/24p) XF-AVC 45 Mbps: 1920x1080 (60p/30p/24p) |
| Audio Recording System | LPCM (24-bit 4ch), 48 kHz |
| Image Sensor | 1.0-inch CMOS |
| Total Pixels | Approx. 13.4 megapixels (4268 x 3148) |
| Effective Pixels | Approx. 8.29 megapixels (3840 x 2160) |
| Maximum Recording Time | 32GB card: 160 Mbps: 25 min./110 Mbps: 35 min./60 Mbps: 65 min./45 Mbps: 90 min. 64GB card: 160 Mbps: 50 min./110 Mbps: 75 min./60 Mbps: 140 min./45 Mbps: 185 min. 128GB card: 160 Mbps: 105 min./110 Mbps: 150 min./60 Mbps: 280 min./45 Mbps: 375 min. 256GB card: 160 Mbps: 210 min./110 Mbps: 305 min./60 Mbps: 565 min./45 Mbps: 755 min. <i>A variable bit rate is applicable in each case.</i> |
| Lens | Canon 15x Zoom, 8.3–124.5mm (35mm equivalent 25.5–382.5mm), f/2.8–4.5 |
| Focusing System | Dual Pixel CMOS AF, Contrast AF The detection range for CMOS AF is approx. 80% (vertical) x 80% (horizontal) of the entire field of view. |
| Manual Exposure | Yes |
| Maximum Shutter Speed | 1/2000 |
| Minimum Focusing Distance | 10mm at wide end, 60cm across entire zooming range |
| White Balance | Auto, Preset (Daylight, Tungsten), Color Temperature Settings (2,000–15,000K), Set (1/2) |
| Frame Rate | 60p, 30p, 24p |

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|--|---|
| Genlock Terminal | Yes |
| I2G-SDI Terminal | Yes |
| Timecode Terminals | Yes |
| Image Stabilization | Optical system (lens shift) + electronic stabilization (Image rotation and camcorder movements in the yaw and pitch directions are electronically corrected.) Modes: Dynamic IS, Powered IS, Standard IS, IS Off |
| Filter Diameter | 58mm |
| Viewfinder | 0.46-inch wide color OLED display, approx. 1.77 million dots, approx. 100% field of view |
| LCD Touch Panel | 4.0-inch wide LCD and wide view angle, wide color range supported (Approx. 1.23 million dots) |
| Microphone | Stereo (using electret condenser microphone) |
| Recording Media | SD/SDHC/SDXC Card (2 slots): XF-HEVC/XF-AVC movies and photos. Menu settings can also be recorded. |
| USB Terminal | mini-B receptacle and Hi-Speed USB supported (output only) |
| Video Terminal | HDMI™ mini connector, I2G-SDI terminal |
| Audio Terminal | 3.5mm stereo mini-jack, XLR 3-pin jack (two channels), HDMI™ mini connector, headphone jack, I2G-SDI terminal |
| HDMI Terminal | HDMI™ mini connector |
| AV Mini Terminal/Headphone Terminal | 3.5mm stereo mini-jack |
| Ethernet Terminal | Ethernet connector (RJ-45) (supports 1000BASE-T) |
| Operating Temperature Range | For Performance: Approx. 0–40° C, 85% (relative humidity) For Operation: Approx. –5–45° C, 60% (relative humidity) |
| Dimensions (W x H x D) | Approx. 6.4 x 8.3 x 14.9 in. / 162 x 210 x 378mm (excluding lens hood, mic holder unit and eyecup) Approx. 7.5 x 10.2 x 17.0 in. / 191 x 258 x 433mm (including lens hood, eyecup and mic holder unit) |
| Weight | Approx. 5.86 lbs. / 2660g (Including grip belt; excluding hood, eyecup and shoulder pad) |

DIMENSIONS



TERMINALS



ACCESSORIES

| | | | | |
|-----------|-----------------------------------|-----------------------------|-------------------------|------------------------|
| ITEM | Battery Pack BP-A60 | Battery Pack BP-A30* | Battery Charger CG-A20* | Battery Charger CG-A10 |
| ITEM CODE | 0870C002 | 0868C002 | 2416C002 | 0872C002 |
| ITEM | Compact Power Adapter CA-CP200 L* | Wide Attachment Lens WA-U58 | Tele-Converter TL-U58 | GPS Receiver GP-E2 |
| ITEM CODE | 3100C002 | 2494C001 | 2493C001 | 6363B001 |
| ITEM | Remote Controller RC-V100 | Tripod Adapter TA-100 | | |
| ITEM CODE | 9660B001 | 9859A001 | | |

* These items are included in the kit contents.



Specifications and availability subject to change without notice. Products not shown to scale. Weight and dimensions are approximate. Not responsible for typographical errors.

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