

XF605

4K UHD PRO CAMCORDER



HDR
High Dynamic Range

SMALL CAMERA, BIG FEATURES, MASSIVE PERFORMANCE

The XF605 4K UHD professional camcorder comes equipped with a 1.0-inch CMOS sensor and the ability to record 4K/60p/4:2:2/10-bit/HDR video to dual on-board SD card slots. Equipped with Canon's renowned Dual Pixel CMOS AF, the XF605 achieves high-speed and high-accuracy focusing, and is the first XF-series model to include Eye Detection AF, as well as improved face and head detection, enabling more accurate and stable tracking of subjects. The new camcorder also includes new video transmission functionality, making it an ideal tool for broadcast journalists.

1.0-inch 4K UHD CMOS Sensor

The XF605 Professional Camcorder features a Canon 1.0-inch 4K UHD CMOS image sensor capable of 4K UHD video capture at 60p and slow motion recording up to 120fps in Full HD, making the camcorder a strong contender for professional productions, ENG applications and more.

The XF605 camcorder's 1.0-inch sensor allows for larger photosites compared to smaller-sized sensors, resulting in improved images with less noise in low-light situations. The larger sensor also exhibits a shallower depth of field at large apertures, providing greater depth of field control and creative options. The camcorder's DIGIC DV 7 imaging engine further enhances the high sensitivity and low noise performance of the camcorder.



1.0-inch CMOS sensor



DIGIC DV 7



15x Optical 4K UHD L Zoom Lens with 5-Axis Optical Image Stabilization



4K Video Lens

The XF605 Professional Camcorder incorporates a Canon 4K video lens that leverages proprietary Canon optical technologies derived from years of experience in developing Cinema, Broadcast and EF-series lenses.

Inspired by the same high level of optical precision used in Canon broadcast and photographic lenses, the Canon XF605 camcorder incorporates a Genuine Canon 15x L-series optical zoom lens that maintains 4K UHD quality throughout the entire zoom range, and offers a focal length range of 25.5 to 382.5mm (35mm film equivalent). You can get up to 30x Advanced Zoom when shooting in Full HD, which utilizes the XF605 camcorder's full 4K UHD sensor to extend the zoom range while maintaining image quality.

5-Axis Optical Image Stabilization

The XF605 camcorder also incorporates a 5-axis Optical Image Stabilization (IS) system, featuring three modes of image stabilization: Standard, Dynamic and Powered. In Standard IS mode, the stabilizing angle is made constant, independent of the zoom magnification. Dynamic IS mode extends the stabilizing range at the wide end of the focal length, allowing for image stabilization when shooting while walking. Powered IS mode helps facilitate stabilization in the low frequency range at the tele end and should be used exclusively for fixed-point shooting which does not involve panning.

Independent 3-Density ND Filter

A compact and independent internal 3-density ND filter, using a turret (circular) mechanism, allows you to select from three densities (ND 1/4, ND 1/16, and ND 1/64) or turn the feature off if needed. Density can be adjusted using the dedicated external buttons.

4K UHD 59.94P 4:2:2 10-bit Recording in XF-AVC and MP4 formats

The XF605 Professional Camcorder supports 4K UHD 59.94p 4:2:2 10-bit recording to support natural and realistic 4K video production. You can choose between MXF-based XF-AVC and versatile MP4 formats.

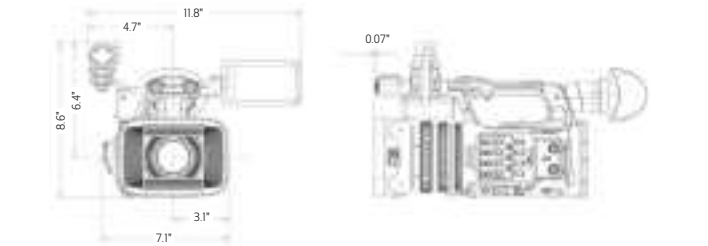
9-Blade Iris

For versatility and durability, the lens features a 9-blade iris, producing artistic and beautiful out-of-focus areas or "bokeh." The 9 blades allow for attractive circular blurring in out-of-focus regions, while the use of an odd number of blades helps reduce flaring of specular highlights.

SPECIFICATIONS

Imaging Sensor	4K Ultra High Definition		
Power	14.4 V DC (battery pack), 24 V DC (DC IN)		
Video Recording System	XF-AVC Compression: MPEG-4 AVC/H.264 Color Sampling: 4:2:2 10-bit File Format: MXF Recording Modes: - Resolution: 3840x2160 (YCC422 10-bit) 260 Mbps Long GOP (59.94P/50.00P) 410 Mbps Intra-frame (29.97P/25.00P/23.98P) 160 Mbps Long GOP (29.97P/25.00P/23.98P) - Resolution: 1920x1080 (YCC422 10-bit) 310 Mbps Intra-frame (59.94P/50.00P) 160 Mbps Intra-frame (29.97P/25.00P/23.98P/59.94i/50.00i) 50 Mbps Long GOP (59.94P/50.00P/29.97P/25.00P/23.98P/59.94i/50.00i) - Resolution: 1280x720 (YCC422 10-bit) 24 Mbps Long GOP (59.94P/50.00P) MP4 Compression: MP4 (HEVC): H.265/HEVC MP4 (H.264): MPEG-4 AVC/H.264 Color Sampling: MP4 (HEVC): YCC422 10-bit/YCC420 10-bit MP4 (H.264): YCC420 8-bit File Format: MP4 Recording Modes: - Resolution: 3840x2160 (YCC422 10-bit) 225 Mbps (59.94P/50.00P) / 135 Mbps (29.97P/25.00P/23.98P) - Resolution: 1920x1080 (YCC422 10-bit) 50 Mbps (59.94P/50.00P/29.97P/25.00P/23.98P) - Resolution: 1280x720 (YCC422 10-bit) 12 Mbps (59.94P/50.00P) - Resolution: 3840x2160 (YCC420 10-bit) 170 Mbps (59.94P/50.00P) / 100 Mbps (29.97P/25.00P/23.98P) - Resolution: 1920x1080 (YCC420 10-bit) 35 Mbps (59.94P/50.00P/29.97P/25.00P/23.98P) - Resolution: 1280x720 (YCC420 10-bit) 9 Mbps (59.94P/50.00P) (2) MP4 (H.264): (YCC420 8-bit) - Resolution: 3840x2160 150 Mbps (59.94P/50.00P/29.97P/25.00P/23.98P) - Resolution: 1920x1080 35 Mbps (59.94P/50.00P/29.97P/25.00P/23.98P) - Resolution: 1280x720 8 Mbps (59.94P/50.00P)		
XF-AVC Recording Length	32 GB card 410 Mbps: 9 min. 310 Mbps: 12 min. 260 Mbps: 15 min. 160 Mbps: 25 min. 50 Mbps: 80 min. 35 Mbps: 114 min. 24 Mbps: 167 min. 17 Mbps: 236 min. 64 GB card 410 Mbps: 19 min. 310 Mbps: 25 min. 260 Mbps: 30 min. 160 Mbps: 50 min. 50 Mbps: 160 min. 35 Mbps: 229 min. 24 Mbps: 334 min. 17 Mbps: 472 min.	128 GB card 410 Mbps: 39 min. 310 Mbps: 51 min. 260 Mbps: 61 min. 160 Mbps: 100 min. 50 Mbps: 321 min. 35 Mbps: 458 min. 24 Mbps: 668 min. 17 Mbps: 944 min. 256 GB card 410 Mbps: 78 min. 310 Mbps: 103 min. 260 Mbps: 123 min. 160 Mbps: 200 min. 50 Mbps: 642 min. 35 Mbps: 917 min. 24 Mbps: 1337 min. 17 Mbps: 1888 min.	512 GB card 410 Mbps: 156 min. 310 Mbps: 207 min. 260 Mbps: 246 min. 160 Mbps: 401 min. 50 Mbps: 1284 min. 35 Mbps: 1834 min. 24 Mbps: 2675 min. 17 Mbps: 3776 min.

DIMENSIONS



TERMINALS



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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Canon makes no representations or warranties with respect to any third party accessory or product mentioned herein.

Use of genuine Canon accessories is recommended; these products are designed to perform optimally when used with genuine Canon accessories.

Audio Recording System	Linear PCM: 24-bit / 48 kHz / 4-channel (XF-AVC) Linear PCM: 16-bit / 48 kHz / 4-channel (MP4) MPEG-2 AAC LC 16-bit / 48 kHz / 2-channel (MP4)
Image Sensor	1.0-inch CMOS
Total Pixels	Approx. 13.4 megapixels (4268x3148)
Effective Pixels	Approx. 8.29 megapixels (3840x2160)
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 w/ Eye Detection
Manual Exposure	Yes
Max 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
Minimum Illumination	Approx. 1.5 lux (with 1/30 sec. shutter speed, 29.97P)
Genlock Terminal	Yes
Timecode Terminals	Yes
Image Stabilization	Optical system (lens shift) + electronic stabilization (Image rotation and camera movements in the yaw and pitch directions are electronically corrected.) Modes: Dynamic IS, Powered IS, Standard IS, IS Off
Filter Diameter	58mm
Viewfinder	0.36-inch color OLED display, approx. 1.77 million dots, approx. 100% field of view
LCD Screen	3.5-inch LCD, (Approx. 2.76 million dots)
Microphone	Stereo (using electret condenser microphone)
Recording Media	SD card [x2] (SD/SDHC/SDXC)
USB Terminal	Type-C, SuperSpeed USB (USB 3.2 gen 1x1) supported, PTP class supported, UVC Supported Type-A, USB HOST supported (max. voltage: 5V / max. output current: 900 mA)
Video Terminal	HDMI™ connector, 12G-SDI terminal
Audio Terminal	3.5mm stereo mini-jack, XLR 3-pin jack (two channels)
HDMI Terminal	HDMI™ connector (Type A)
Headphone Terminal	3.5mm stereo mini-jack
Operating Temperature Range	For Performance: Approx. 0-40° C, 85% (relative humidity) For Operation: Approx. -5-45° C, 60% (relative humidity)
Dimensions	Approx. 6.6x6.8x13.1in. (168x173x333mm) [body only (excluding grip belt)] Approx. 7.9x8.6x15.2in. (200x219x385mm) [Including lens hood, eyecup and mic holder unit]
Weight	Approx. 4.4 lbs. / 2010g (including grip belt; excluding hood, mic holder unit, eyecup, battery)
12G-SDI Terminal	Yes
Ethernet Terminal	Ethernet connector (RJ-45) (supports 1000BASE-T)

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	 Remote Controller RC-IP100	* These items are included in the kit contents.	
ITEM CODE	9660B001	5231C004		

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08/21 PRINTED IN U.S.A.

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