

XF605

A PROFESSIONAL BROADCAST CAMCORDER, BUILT FOR THE FIELD

The XF605 is a powerful new camcorder designed for ENG applications as well as a variety of live and offline productions, including sports, events, documentaries, streaming, and more.



- 1.0-Type CMOS Sensor & DIGIC DV7 Processor
- 4K UHD 60P/50P 4:2:2/10-bit recording (XF-AVC or MP4)
- Canon Log 3, HDR (PQ/HLG)
- High Frame Rate recording up to 120fps (FHD)
- 15x Optical Zoom L-Series lens (30x Advanced Zoom in FHD)
- Enhanced Dual Pixel CMOS AF with Eye AF & EOS iTR AF X (Intelligent Head Tracking)
- Dual SD card slots supporting simultaneous recording, multiple formats & Proxies
- Professional connectivity Inc. 12G-SDI, HDMI, XLR, Wi-Fi, Ethernet, USB-C, and more
- Multi-Function Accessory Shoe

4K
UHD

1.0
type
CMOS

HDR
High Dynamic Range

15x
OPTICAL ZOOM

Dual Pixel
CMOS AF

HFR
High Frame Rate

PRODUCT RANGE



Canon XF705



Canon XF605



Canon XF405/XF400

Canon XF705
Canon XF605
Canon XF405/XF400
Canon XA55/XA50
Canon XA45/XA40

Canon

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TECHNICAL SPECIFICATIONS

XF605

CAMERA			
IMAGE SENSOR			
Sensor	1.0 Inch-type CMOS		
Filter	RGB Primary Colour Filter		
Total pixels	Approx. 13.4 MP		
Effective pixels	Approx. 8.29 MP (3840 x 2160)		
Image Processor	DIGIC DV7		
Gain Boost Function	Yes, increases gain to 36dB, activated via user assigned button		
Sensitivity (PAL)	f/13, 50.00P, 2000 lux, reflectance 89.9%		
Minimum illumination (PAL)	50.00P/50.00i Approx. 2.5 lux (1/50 second shutter speed) 25.00P Approx. 1.3 lux (1/25 second shutter speed)		
LENS			
Zoom ratio	1.5x optical, (30x Advanced Zoom Full HD)		
Focal length (35mm equivalent)	Approx. 25.5 to 382.5 mm Standard IS/IS Off		
Minimum focus distance	10 mm at wide end, 60 cm across entire zooming range		
Max. Aperture	f/2.8		
Aperture blades	9 blades		
Filter diameter	58mm		
Image stabilization system	Optical system (lens shift) + electronic stabilization Dynamic, Standard, Powered, Off		
ND filter	3 densities; turret switched, motor-driven. ND 1/4, ND 1/16, and ND 1/64.		
Zoom control	Zoom rockers on body and handle; Selectable manual zoom/focus ring on lens; Wireless controller; Selectable High-Speed mode available.		
Zoom speed	Variable or Constant speed Fast/Normal/Slow, 16 speed level settings		
Focus control	MANUAL: Lens ring and touchscreen point selection (Focus Guide and Peaking assist functions), Focus Preset. AUTOFOCUS: Touchscreen AF point selection, Face Detection and Tracking, Face Only AF. (Continuous AF, AF-Boosted MF, AF Speed, AF Response, AF Frame size)		
Focus System	Dual Pixel CMOS AF, Contrast AF, Eye AF, EOS ITR AF X		
Iris control	Touchscreen, Auto, Lens ring		
Digital zoom/Teleconverter	300x Digital Zoom, Digital Teleconverter [x1.5/x3/x6. Not available when optical teleconverter used]		
IMAGE PROCESSOR			
Type	DIGIC DV7		
Colour Sampling	XF-AVC: 4:2:2, MP4: 4:2:2 or 4:2:0 H.265/4:2:0 H.264.		
Bit depth	XF-AVC/MP4 Proxy files: 4:2:0 XF-AVC/MP4 H.265: 10-bit. MP4 H.264: 8-bit XF-AVC/MP4 Proxy files: 8-bit		
RECORDING			
Video storage media	SD/SDHC/SDXC card (2 card slots)		
Type	Class U3 V90 cards recommended		
Recording time (128GB Card, approx.)	XF-AVC: 410Mbps, 39 mins, 310Mbps, 51 mins, 260Mbps, 100 mins. MP4/H.265: 225 Mbps, 71 mins, 170Mbps, 94 mins, 135 Mbps, 118 mins MP4/H.264: 150 Mbps, 107 mins, 35 Mbps, 458 mins, 8Mbps, 2006 mins		
Recording file system	FAT32/exFAT		
Internal recording format (PAL)	XF-AVC (MXF) UHD: ALL-I/Long GOP, Full HD/Proxy Files: Long GOP MP4: H.265 UHD, Full HD		
		Simultaneous Recording	Yes, Simultaneous recording, relay recording. Different recording options possible on each memory card
		Recording frame rate (PAL)	UHD XF-AVC 422 10bit 3840 x 2160 (160 Mbps): 59.94P / 29.97P / 23.98P/50.00P / 25.00P MP4 (HEVC/H.264) 422 10bit 3840 x 2160: 59.94P / 29.97P / 23.98P/50.00P / 25.00P Full HD, XF-AVC 422 10bit: 1920 x 1080 (45 Mbps) 59.94P / 59.94i / 29.97P / 23.98P/50.00P / 50.00i / 25.00P 120P, MP4 (HEVC/H.264) 422 10bit, 1280 x 720 59.94P / 29.97P / 23.98P/50.00P / 25.00P 3840 x 2160: 59.94p/50.00p/29.97p/25.00p/23.98p 1920 x 1080: 59.94p/50.00p/29.97p/25.00p/23.98p/ 29.97PsF/25.00PsF 59.94i/50.00i 1280 x 720: 59.94p/50.00p 720 x 480: 59.94i 720 x 576: 50.00i
		External recording output, 12G-SDI/HDMI	Yes, 12G-SDI or HDMI. Simultaneous output available Yes, Up to 120P (FHD, 4:2:2/8-bit) including in 50.00Hz mode. Simultaneous Audio Recording Yes, 3 seconds Frame Recording, Interval Recording JPEG up to 3840x2160 (Still image resolution is dependent on the video resolution) SD Card (Slot B)
		External monitoring High Frame Rate	
		Pre Record function	
		Special Recording Functions	
		Still photos	
		Photo storage media	
		SHOOTING FUNCTIONS	
		EXPOSURE	
		Exposure metering	Centre-weighted average or segment evaluative (determined by shooting mode) Fixed exposure (1/50 sec.)
		Exposure compensation	Highlight AE, Exposure lock, Auto backlight compensation, Exposure compensation amount shown as ±3 when locked or ±2 in AUTO (±8 increments). Yes. ISO200 - ISO12,800, 1 Stop or 1/3 Stop increments -6.0dB - 21.0dB. Normal or Fine setting. Fine setting in 0.5dB steps. Auto / Manual. Auto Gain set when shooting in IR mode Yes, selectable from -6dB to 21db, 1dB increments
		Exposure Lock	
		ISO Range/Setting	
		Gain Range Setting	
		Auto ISO/Auto Gain Control setting	
		Auto Gain Control limit	
		SHUTTER SPEED	
		Control modes	Auto, P, Tv, Manual
		Shutter Angle Mode	Yes, 360° to 11.25°
		Shutter speed (PAL)	Up to 1/2000 Sec.
		Slow Shutter (SLS, PAL)	50.00i/50.00P: 1/4, 1/8, 1/12, 1/25 sec 25.00P: 1/3, 1/6, 1/12 sec Yes, 24.00Hz to 2003.17Hz
		Clear (PAL)	
		WHITE BALANCE	
		Auto	Yes, Shockless WB, AWB Response, AWB Hold (via assignable button) Daylight (Approx. 5,600K), Tungsten (Approx. 3,200K) Colour Temperature range: 2,000 - 15,000K Default value for Set 1 and Set 2: 5,600K
		Preset	
		Manual setting	
		SHOOTING MODES	
		Exposure Control	
		Custom Picture Menu	AUTO Mode Manual Mode: P, Tv, Av, M (manual exposure) CP Files: C1: BT.709 Normal C2: BT.709 Wide DR C3: BT.709 Standard C4: Canon Log 3 C5: PQ (BT.2020) C6: HLG (BT.2020) C7: EOS Standard C8: EOS Neutral C9 - C20: User Defined

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TECHNICAL SPECIFICATIONS

XF605

Look File	User defined .Cube format Look File. Created on third-party software	MISCELLANEOUS	Yes
Colour Matrix Settings	Neutral, Video, Production Camera	Tally lamp	Yes. SMPTE or EBU, with 1KHz Tone
Infrared shooting mode	Yes	Colour Bars (PAL)	Yes, Accessory and Cold shoe
Built-in IR lamp	Yes, in Handle Unit. Wavelength: 850nm (near-Infrared)	Accessory shoe	Total of 11 Assignable Buttons with over 100 Assignable Functions
STREAMING, WI-FI & GPS SPECIFICATIONS		Assignable buttons	Av / Tv / M / AGC Limit / Exposure Compensation / Off
IP Streaming Protocols Supported	UDP, RTP, RTP+FEC	Custom dial	
News Metadata	Yes, compliant with NewsML-G2 standard	TIME CODE	
Browser Remote Control	Yes	Count up system	Regen / Rec Run / Free Run / Preset (Non-Drop Frame)
Wi-Fi	Yes	Time Code out	Yes, Via BNC or HDMI
Supported Wi-Fi	IEEE802.2.4GHz/5GHz 11a/b/g/n/ac (5GHz may not be available in all regions)	ACCESSORIES	
GPS Information (Optional Accessory)	Location (Latitude/Longitude/Altitude), Coordinated Universal Time (UTC), Satellite reception. (requires the optional GPS Receiver GP-E2)	Supplied	Lens hood with barrier, Lens Cap, Mic holder unit, Eye Cup, AC Cable, Compact Power Adapter (CA-200L) Battery Charger (CG-A20), Battery Pack BP-A30, Canon Battery Pack BP-A30/BP-A60 Canon Battery Charger CG-A10/CG-A20 Canon Compact Power Adapter CA-CP200L Canon 8 Pin Remote Cable RR-10/RR-100 Canon Teleconverter TL-U58 Canon Wide Attachment WA-U58 Canon PROTECT Filter 58mm Canon ND4L Filter 58mm Canon ND8L Filter 58mm, Canon GPS Receiver GP-E2 Canon Remote Controller RC-V100 Canon Remote Camera Controller RC-IP100 Canon Interface Cable IFC-150AB III.
AUDIO		Optional (Includes items not currently on sale)	
Recording	MP4: MPEG-2 AAC-LC (16-bit 2ch) / LPCM (16-bit 4ch) XF-AVC: LPCM (24-bit 4ch)	BATTERY	
Audio control	Manual or Auto Independent 2ch Line/Mic/Mic+48V input; Independent level control per channel (-∞ to +18 dB); Independent audio limiters (2-Ch.); Input mic trimming	Battery Pack	Canon Battery Pack BP-A30 (supplied), BP-A60 (optional) Battery: 14.5V, DC in: 24V Approx 13.6W (50.00P UHD, Long GoP 260Mbps) Approx 12.1W (25.00P UHD Intra 410 Mbps)
Reference tone	1KHz, -12dB / -18dB / -20dB / Off	Power Requirement	Approx 185 mins. (50.00P UHD, Long GoP 260Mbps)
Microphone attenuation	On/Off (20dB)	Power Consumption (recording)	Approx 210 mins. (25.00P UHD Intra 410 Mbps)
Microphone level meter	Yes	Continuous Recording Time (approx.)	
SYSTEM		SIZE AND WEIGHT	
MONITORING PANEL		Dimensions	Approx. 1.68 x 173 x 333 mm Body Only Approx. 200 x 219 x 385 mm Including lens hood, eye cup, microphone holder unit
Type	LCD Electrostatic Touch Panel.	Weight (camera only)	2010g (Approx.)
Size	3.45-inch type Approx. 2.76 million dots	Weight (fully equipped)	2460g (Approx.)
Waveform Monitor	Yes	Operating temperature range	Approx. 0 to 40 °C, 85 % (relative humidity) Approx. -5 to 45 °C, 60 % (relative humidity)
Focus Assist	Dual Pixel Focus Guide* / Peaking / Magnify	Disclaimers	All specifications are subject to change without notice
Peaking	Selectable Peaking Colour: Red / Blue / Yellow/White		
False Colour Display	Yes, also via EVF, SDI Out and HDMI output		
Zebra	70% or 100% reference level		
Markers	Center, horizontal, grid, aspect, safety zone, and user marker. Each item can be displayed in yellow, blue, green, red, black, gray, or white.		
VIEWFINDER			
Size	0.36-inch type, approx. 1.77 million dots		
EVF Auto -off	Yes, function enabled via assignable button		
Correction lens	+2.0 to -5.5 dioptre		
INPUTS/OUTPUTS			
Audio input	XLR 3-pin jack (x2) with 48V phantom power, Line and Mic. Additional inputs via third-party accessory attached to shoe. 3.5mm microphone input jack (Supply Voltage 2.4V DC), Built-in Mic		
Headphone output	3.5mm stereo mini jack		
Speaker	Yes, built-in		
HDMI output	HDMI™ Type A		
USB	1 x Type A. Type A power output 5V/900mA 1 x Type C. Type C compliant with UVC		
SDI output	12G-SDI, BNC connector		
Time code	Yes, BNC connector		
Genlock	Yes		
LAN	Yes		
DC input	3.4mm jack		
Remote Control Terminal	Type A (2.5mm jack), Type B (8-pin connector, RS422-type)		

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Canon Inc.
canon.com
Canon Europe
canon-europe.com
English edition
Canon Europa NV 2021

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Sales Start Date: October 2021 (TBD)



PRODUCT DETAILS:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
XF605 (EU)	5076C003AA	4549292184822	<Please fill in RRP>
XF605 (EU18)	5076C007AA	8714574669106	<Please fill in RRP>

OPTIONAL ACCESSORIES

Product Name	Mercury Code	EAN Code	Recommended Retail Price
BP-A30	0868C002AA	4549292047493	<Please fill in RRP>
BP-A60	0870C002AA	4549292047523	<Please fill in RRP>
CG-A10	0872C003AA	4549292047585	<Please fill in RRP>
CG-A20	2416C003AA	4549292100310	<Please fill in RRP>
CA-CP200 L	3100C003AA	4549292121636	<Please fill in RRP>
TL-U58	2493C001AA	4549292105391	<Please fill in RRP>
WA-U58	2494C001AA	4549292105407	<Please fill in RRP>
RC-V100	9660B001AB	4549292014013	<Please fill in RRP>
RC-IP100	5231C002AA	4549292193442	<Please fill in RRP>
IFC-100U	3224C001AA	4549292124200	<Please fill in RRP>
IFC-40AB III	3226C001AA	4549292124248	<Please fill in RRP>
IFC-150AB III	3227C001AA	4549292124262	<Please fill in RRP>
GP-E2	6363B001AA	4960999848358	<Please fill in RRP>
FILTER PROTECT 58mm	2595A001AA	4960999430942	<Please fill in RRP>
FILTER ND4-L 58mm	2596A001AA	4960999430652	<Please fill in RRP>
FILTER ND8-L 58mm	2597A001AA	4960999430669	<Please fill in RRP>

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MEASUREMENT / LOGISTIC INFORMATION:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (cm)	Width (cm)	Height (cm)	Gross Weight (kg)
XF605 (EU) XF605 (EU18)	5076C003AA 5076C007AA	EA	Each	1	41.8	34.9	27.3	4.6
		CT	Carton	1	43.5	36.6	29.75	5.2
		EP	Euro Pallet	20	120	80	132	119
			Layers per Pallet	4				
			Cartons per Layer	5				
			Products per layer	5				

What's in the box?

- XF605 BODY EU
- FINDER CAP PACKING
- MIC HOLDER UNIT
- HOOD UNIT
- SCREW BINDING HEAD, M4X20, BZ3
- EYECUP ADAPTER
- AC CABLE (EU)
- Battery Pack BP-A30 (OTH)
- Battery Charger CG-A20
- Compact Power Adapter CA-CP200 L

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