

# XF705



4K  
UHD

HDR **XF-HEVC**

## 4K/HDR CAMCORDER FOR PROFESSIONALS

The XF705 supports 4K UHD 59.94p/50.00p 4:2:2 10bit recording to capture true-to-life 4K video production. Featuring a large 1.0-Type CMOS sensor with a 3.2 $\mu$ m pixel pitch, in combination with the Dual DIGIC DV 6 processors, further enhance high sensitivity and low noise performance.

### 4K HDR Data Recorded to an SD Card

By using XF-HEVC, which combines 4K UHD image quality with high compression, the XF705 can record many hours on a versatile SD card. Slow motion recording of up to 120 fps (x0.2) in FHD creates an emotionally moving and exciting style of video.

### Internal Recording of Two HDR Formats

When recording in XF-HEVC (4:2:2 10bit), select Hybrid Log-Gamma (HLG) or Perceptual Quantization (PQ) with custom picture (CP) preset/gamma settings.

### High-quality 4K 15x zoom lens

A newly developed 15x optical zoom lens (35mm film equivalent: 25.5mm–382.5mm) delivers stunning 4k images. Also, a 30x Advanced Zoom capability is offered in Full HD mode, without any image deterioration.

### Dual Pixel CMOS AF for high-speed, precise autofocus

Dual Pixel CMOS AF is featured in the XF705 for fast and accurate autofocusing in approximately 80% of the image. Face detection AF in combination with the touch panel enables smooth, intuitive operation.



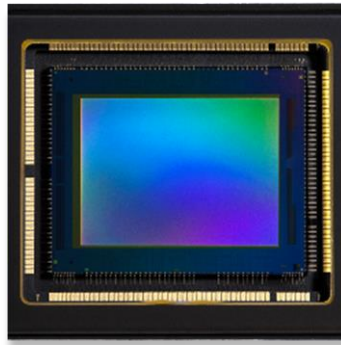
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# 4K/HDR CAMCORDER FOR PROFESSIONALS



4K image quality and HDR recording lead to more beautiful and realistic visual expression.



Canon's 1.0-Type CMOS enhances high sensitivity and low noise performance to increase shooting area and expressive capabilities.



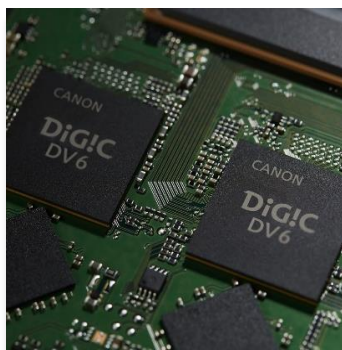
4K UHD 50P 4:2:2 10bit



Support for UHD (3840 x 2160) 50P means the XF705 is ready for a wide range of fields from cinema to broadcasting.



Slow motion recording of up to 100 fps (x0.25) in FHD to easily create an emotionally moving and exciting style of video.



Dual DIGIC DV 6 image processors deliver high-quality footage with great clarity and detail.



A newly-developed 4K lens supports the large 1.0 inch CMOS while remaining slim and compact.

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# 4K/HDR CAMCORDER FOR PROFESSIONALS



**HDR**

XF-HEVC (4:2:2 10bit) allows "HLG" or "PQ" with custom picture (CP) preset/gamma settings.  
HDR video can be recorded with just one selection on the menu.



**SDR**

First in XF Series to Support Canon Log 3



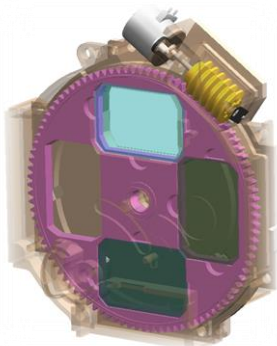
Log shooting is especially effective for documentaries and other settings with drastic changes in light conditions change frequently, or where monitoring setups are insufficient.

4K UHD 50P recording on SD cards



Relay and simultaneous recording are provided via Dual SD card slots, which helps to expand recording times and to create an immediate backup.

Independent Built-in 3-density ND Filter



A compact, independent internal 3-density ND filter allows optimum exposure in various lighting environments.

ND Filter Effects



Density can be adjusted using the dedicated external buttons

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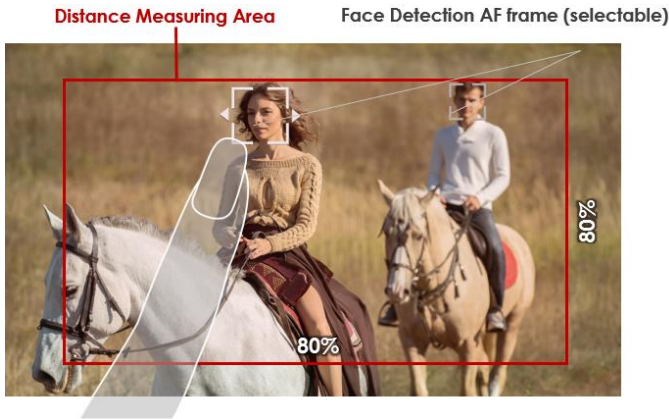
# 4K/HDR CAMCORDER FOR PROFESSIONALS

**Dual Pixel CMOS AF** Dual Pixel CMOS AF



The touch panel enables smooth, intuitive operation of Dual Pixel CMOS AF. When used in combination with the face detection AF, users have the flexibility to choose the right auto focus shooting solution they need.

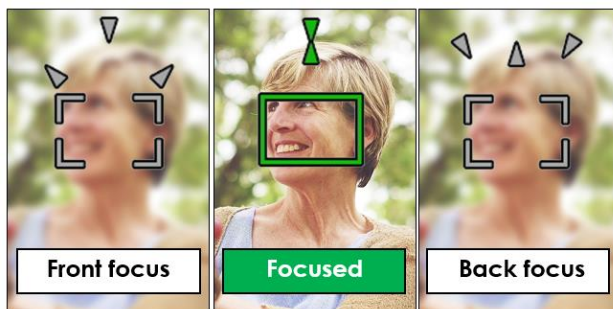
## Touch AF & Face Detection AF



## Dual Pixel CMOS AF Supports 4K UHD 50P/FHD 100P



## Dual Pixel Focus Guide



The innovative UI applies Dual Pixel CMOS AF phase-difference detection AF technology to also tell the user if the focus position is in the front or the back. A useful feature when shooting in 4K, which requires strict focus accuracy.

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# Technical Specifications

## XF705

CMOS sensor	Sensor Size	1.0 inch (3.2µm)
	Effective Pixels	approx. 8.29 million pixels
Lens	Magnification (35mm equivalent)	15x (UHD   approx. 25.5mm-382.5mm)
	ND filter	3 density
	IS	Optical + electronic correction, compatible with dynamic mode
Zoom		15x optical, 30x advanced zoom
Focus		Dual Pixel CMOS AF, MF (compatible with Dual Pixel Focus Guide)
Infrared camera support		Yes
LCD		4.0 inch (approx. 1.23 million dots)
EVF		0.46 inch (approx. 1.77 million dots) OLED Tilting
Gamma		Normal 1-4/Wide DR (800%)/Canon Log 3, PQ, HLG
Recording format	Codec	H.265/HEVC, H.264/AVC
	MXF	Image compression format   H.265/HEVC, H.264/AVC 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 59.94i, 50.00i (With firmware update   for H.264), , 120p, 100p (S&F)
	MP4	(Supported with firmware update) 1920 x 1080   59.94p, 50.00p, 29.97p, 25.00p, 23.98p 1280 x 720   59.94p
	System frequency switch	Yes
	Audio	XF-HEVC/XF-AVC    LPCM 48kHz/24bit/4ch MP4 (FU)            LPCM 48kHz/16bit/4ch, AAC 48kHz/16bit/2ch
	S&F recording	0.2x slow (120fps/1920x1080@29.97p) ※HDR (PQ/HLG) recording is not available
	Color sample/Bit depth	4:2:2 10bit (HEVC), 4:2:0 8bit
IP streaming	H.265/HEVC	3840 x 2160   59.94p, 50.00p, 29.97p, 25.00p 1920 x 1080   59.94p, 50.00p, 29.97p, 25.00p
	H.264/AVC	1920 x 1080   59.94i/50.00i
Recording Media		SD card (UHS-I U3 support) x2
Professional Use Terminals	SDI	12G/6G/3G/HD-SDI (4K UHD/59.94p 4:2:2 10bit)
	XLR	x2 AES/EBU compatible
HDMI		HDMI (4K UHD/59.94p 4:2:2 10bit)
Other specifications		Headphone, mic, USB (mini-B), Remote A, Remote B(RS422), Wi-Fi, Ethernet terminal, GENLOCK/SYNC OUT, TIME CODE
Battery		BP-A30
External Dimensions (w x h x d)		approx. 7.5 x 8.3 x 15.1 in. / 191 x 210 x 383 mm (Including lens hood, not including grip belt and eye cup)
Main unit weight		approx. 5.9 lb /2,660 g (т.в.в) (including grip belt)

### Supplied Accessories



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# Technical Specifications

## Recording and Output

Format	SD card recording		SDI output (4:2:2 10bit)		HDMI output (4:2:2 10bit)		
XF-HEVC (4:2:2 10bit)	4K UHD	59.94p/50.00p	4K UHD	59.94p/50.00p	4K UHD	59.94p/50.00p	
			FHD	59.94p/50.00p, 59.94i/50.00i	FHD	59.94p/50.00p, 59.94i/50.00i	
		23.98p	4K UHD	23.98p	4K UHD	23.98p	
			FHD	23.98p 59.94i	FHD	23.98p 59.94i	
		29.97p/25.00p	4K UHD	29.97p/25.00p	4K UHD	29.97p/25.00p	
			FHD	29.97p/25.00p, 59.94i/50.00i	FHD	29.97p/25.00p, 59.94i/50.00i	
	FHD	59.94p/50.00p	FHD	59.94p/50.00p, 59.94i/50.00i	FHD	59.94p/50.00p, 59.94i/50.00i	
		59.94i/50.00i	FHD	59.94i/50.00i	FHD	59.94i/50.00i	
		23.98p	FHD	23.98p	FHD	23.98p	
				59.94i		59.94i	
		29.97p/25.00p	FHD	29.97p/25.00p, 59.94i/50.00i	FHD	29.97p/25.00p, 59.94i/50.00i	
	120P/100P	FHD	59.94p/50.00p, 59.94i/50.00i	FHD	59.94p/50.00p, 59.94i/50.00i		
	XF-AVC (4:2:0 8bit)	FHD	59.94p/50.00p	FHD	59.94p/50.00p, 59.94i/50.00i	FHD	59.94p/50.00p, 59.94i/50.00i
			23.98p	FHD	23.98p	FHD	23.98p
59.94i					59.94i		
29.97p/25.00p			FHD	29.97p/25.00p	FHD	29.97p/25.00p	
				29.97p/25.00p, 59.94i/50.00i		29.97p/25.00p, 59.94i/50.00i	

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