

PROFESSIONAL VIDEO CAMCORDERS COMPARISON SPECIFICATIONS

		XF705	XF605	XA55/XA50	XA45/XA40	XA15/XA11
<b>CMOS Sensor Size</b>		1.0-inch	1.0-inch	1.0-inch	1/2.3-inch	1/2.8-inch
<b>Image Processor</b>		Dual DIGIC DV 6	DIGIC DV 7	Dual DIGIC DV 6	DIGIC DV 6	DIGIC DV 4
<b>Resolution</b>	4K UHD	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	-
	FHD	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	HD	1280 x 720	1280 x 720	1280 x 720	1280 x 720	1280 x 720
<b>Lens</b>		3-ring L-series lens with: 15x Optical (25.5–382.5mm f/2.8-4.5) 30x Advanced Zoom (25.5–765mm f/2.8-4.5) in Full HD	3-ring L-series lens with: 15x Optical (25.5–382.5mm f/2.8-4.5) 30x Advanced Zoom (25.5–765mm f/2.8-4.5) in Full HD	15x Optical (25.5–382.5mm f/2.8–4.5)	20x Optical (29.3–601mm f/1.8–2.8)	20x Optical (26.8–576mm f/1.8–2.8)
<b>Aperture</b>		9-blade Iris	9-blade Iris	8-blade Iris	8-blade Iris	8-blade Iris
<b>Image Stabilization</b>		Optical (lens-shift)	Optical (lens-shift)	Optical (lens-shift)	Optical (lens-shift)	Optical (lens-shift)
<b>Image Stabilization Modes</b>		Powered, Dynamic, Standard	Powered, Dynamic, Standard	Powered, Dynamic, Standard	Powered, Dynamic, Standard	Powered, Dynamic, Intelligent
<b>ND Filter</b>		3-stop (Rotating Turret Style)	3-stop (Rotating Turret Style)	3-stop (Rotating Turret Style)	Auto ND (Gradation)	Auto ND (Gradation)
<b>Autofocus System</b>		Dual Pixel CMOS AF	Dual Pixel CMOS AF	Dual Pixel CMOS AF	Hybrid AF	Hybrid AF
<b>LCD Size</b>		4.0-inch	3.5-inch	3.0-inch	3.0-inch	3.0-inch
<b>Looks</b>		Normal, Wide DR (800%), Canon Log 3	Normal, Standard, Wide DR (800%), Canon Log 3	Standard, Wide DR (800%), Neutral, Monochrome	Standard	Standard, Wide DR (800%), Highlight Priority
<b>Video Recording</b>	XF-AVC (MXF)	<b>Bit Rates (Mbps):</b> 160 / 45 <b>Frame Rates:</b> 3840 x 2160: 29.97p / 23.98p 1920 x 1080: 59.94p / 59.94i / 29.97p / 23.98p	<b>Bit Rates (Mbps):</b> 410 / 310 / 260 / 160 / 50 / 24 <b>Frame Rates:</b> 3840 x 2160: 59.94p / 29.97p / 23.98p 1920 x 1080: 59.94p / 59.94i / 29.97p / 23.98p 1280 x 720: 59.94p	<b>Bit Rates (Mbps):</b> 160 / 45 <b>Frame Rates:</b> 3840 x 2160: 29.97p / 23.98p 1920 x 1080: 59.94p / 59.94i / 29.97p / 23.98p	-	-
	H.265 (XF-HEVC)	<b>Bit Rates (Mbps):</b> 160 / 60 / 45 <b>Frame Rates:</b> 3840 x 2160: 59.94p / 29.97p / 23.98p 1920 x 1080: 59.94p / 59.94i / 29.97p / 23.98p	-	-	-	-
	MP4	<b>Bit Rates (Mbps):</b> 35 / 8 <b>Frame Rates:</b> 1920 x 1080: 59.94p / 29.97p / 23.98p 1280 x 720: 59.94p	<b>Bit Rates (Mbps):</b> 225 / 170 / 150 / 50 / 35 / 12 / 9 / 8 <b>Frame Rates:</b> 3840 x 2160: 59.94p / 29.97p / 23.98p 1920 x 1080: 59.94p / 29.97p / 23.98p 1280 x 720: 59.94p	<b>Bit Rates (Mbps):</b> 150 / 35 / 17 / 8 <b>Frame Rates:</b> 3840 x 2160: 29.97p / 23.98p 1920 x 1080: 59.94p / 29.97p / 23.98p 1280 x 720: 59.94p	<b>Bit Rates (Mbps):</b> 150 / 35 / 17 / 8 <b>Frame Rates:</b> 3840 x 2160: 29.97p / 23.98p 1920 x 1080: 59.94p / 29.97p / 23.98p 1280 x 720: 59.94p	<b>Bit Rates (Mbps):</b> 35 / 24 / 17 / 8 / 4 / 3 <b>Frame Rates:</b> 1920 x 1080: 59.94p / 29.97p / 23.98p 1280 x 720: 59.94p / 29.97p / 23.98p 640 x 360: 29.97p / 23.98p
	AVCHD	-	-	-	-	<b>Bit Rates (Mbps):</b> 28 / 24 / 17 / 5 <b>Frame Rates:</b> 1920 x 1080: 59.94p / 59.94i / 29.97p / 23.98p 1440 x 1080: 59.94i / 29.97p / 23.98p
<b>Color Sample (Internal Recording)</b>		4:2:2 (10-bit) (XF-HEVC)	4:2:2 (10-bit)	4:2:0 (8-bit)	4:2:0 (8-bit)	4:2:0 (8-bit)
<b>Slow &amp; Fast Motion</b>		x0.25 and up (120fps / Full HD 23.94p playback)	x0.25 and up (120fps / Full HD 23.94p playback)	x0.4 and up (60fps/Full HD 23.94p playback)	x0.4 and up (60fps/Full HD 23.94p playback)	x0.4 and up (60fps/Full HD 23.94p playback)
<b>HDMI Output</b>		3840 x 2160 4:2:2 (10-bit)	3840 x 2160 4:2:2 (10-bit)	1920 x 1080 4:2:2 (10-bit) 3840 x 2160* *Only during playback	1920 x 1080 4:2:2 (10-bit) 3840 x 2160* *Only during playback	1920 x 1080 4:2:0 (8-bit)
<b>SDI Output</b>		3840 x 2160 4:2:2 (10-bit)* *12G-SGI	3840 x 2160 4:2:2 (10-bit)* *12G-SGI	1920 x 1080 4:2:2 (10-bit)* *XA55 only	1920 x 1080 4:2:0 (8-bit)* *XA45 only	1920 x 1080 4:2:0 (8-bit)* *XA15 only
<b>External Recording Mode</b>		-	-	-	-	-
<b>Interlaced Output</b>		Yes (1080i only)	Yes (1080i only)	Yes (1080i only)	Yes (1080i only)	Yes (1080i only)
<b>Audio Recording</b>		AAC 16-bit 2CH LPCM 24-bit 4CH	AAC 16-bit 2CH LPCM 24-bit 4CH	AAC 16-bit 2CH LPCM 24-bit 4CH	AAC 16-bit 2CH LPCM 24-bit 4CH	AAC 16-bit 2CH LPCM 16-bit 2CH
<b>Storage</b>		2x SD card	2x SD card	2x SD card	2x SD card	2x SD card
<b>Wi-Fi/Ethernet</b>		Both	Both	No	No	No
<b>XLR Inputs</b>		2 (AES/EBU compliant)	2	2	2	2
<b>NTSC/PAL</b>		Yes	Yes	No (switchable through service)	No (switchable through service)	No
<b>Remote</b>		Wireless and RC-V100	Wireless, RC-V100, and RC-IP100	Wireless and RC-V100	RC-V100	Wired
<b>Battery</b>		BP-A30/A60	BP-A30/A60	BP-820/828	BP-820/828	BP-820/828
<b>4K Actual Recording Time (BP-820/BP-828)</b>		65 min. / 140 min. (59.94p) (BP-A30/BP-A60)	N/A	75 min. / 120 min. (29.97p)	90 min. / 140 min. (29.97p)	85 min. / 135 min. (FHD 59.94p)
<b>Dimensions (W x H x D)</b>		6.4 x 8.3 x 14.9 in. / 162.6 x 210.8 x 378.4mm	6.6x6.8x13.1 in. / 168x173x333 mm	4.3 x 3.6 x 8.4 in. / 109.2 x 91.4 x 213.4mm	4.3 x 3.3 x 7.2 in. / 109.2 x 83.8 x 182.9mm	4.3 x 3.3 x 7.2 in. / 109.2 x 83.8 x 182.9mm
<b>Weight (Approx.)</b>		5.9 lb. / 2676.2g	4.4 lbs. / 2010g	2.1 lb. / 953g	1.63 lb. / 740g	1.65 lb. / 750g

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

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## Professional Video Camcorders

**4K**  
UHD

### **XF705** 4K UHD 1.0" CMOS CAMCORDER

Featuring a 1.0-inch 4K UHD CMOS sensor and dual DIGIC DV 6 image processors, the powerful XF705 can record 4K UHD video up to 60p, as well as slow motion recording up to 120fps in Full HD. It's the first Canon camcorder to adopt the H.265/HEVC codec for enhanced efficiency of 4K data handling. And, support for Hybrid Log Gamma (HLG) and Perceptual Quantization (PQ) HDR formats offer an expanded range from black to pure white. With its 15x optical zoom lens, 5-axis Optical Image Stabilization, Dual Pixel CMOS AF, 12G-SDI output and more, the XF705 offers a wide range of recording opportunities for virtually any 4K UHD workflow.



**4K**  
UHD

### **XF605** 4K UHD 1.0" CMOS CAMCORDER

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.



**4K**  
UHD

### **XA55 XA50** 4K UHD 1.0" CMOS CAMCORDER

Combining 4K UHD image quality, features and functionality in a compact portable design, the XA55 and XA50 are ideal for on-the-go video production. A 1.0-inch 4K UHD CMOS sensor and DIGIC DV 6 image processor work to record high-quality video in XF-AVC or MP4 formats to dual SD card slots. 4K UHD video can be filmed at 30p, as well as slow motion recording up to 60fps in Full HD (30fps in 4K UHD). A 15x optical zoom lens, Dual Pixel CMOS AF and more help meet the needs of professional ENG and documentary shooting.



**4K**  
UHD

### **XA45 XA40** 4K UHD 1/2.3" CMOS CAMCORDER

The XA45 and XA40 camcorders deliver high-quality 4K UHD video, speed and connectivity to drive a 24-hour news workflow. They feature a 4K UHD CMOS Pro Image sensor, a 20x High Definition optical zoom lens, plus super-high capacity and ultra-fast data transfer with dual SD card slots that are compatible with universal SD, SDHC and SDXC memory cards. An included detachable handle, lightweight design and more features make the XA45 and XA40 amazing for low-angle shooting and high portability.



### **XA15 XA11** 1/2.84" CMOS CAMCORDER

Lightweight and ultra-compact, the XA15 and XA11 secure high-resolution HD images even where space and access are limited. Superb low-light performance from an advanced HD CMOS Pro Image sensor helps ensure clear, sharp images with low noise content. An Intelligent Optical Image Stabilization system helps reduce image blur in a wide variety of shooting situations. Multiple recording modes, resolutions and frame rates provide creative flexibility and adaptability for ENG, documentary, corporate, weddings and higher-education video production.

**Canon**

## PROFESSIONAL CAMCORDER COMPARISON CHART



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