Canon

1-800-OK-CANON
pro.usa.canon.com

Canon U.S.A., Inc.
One Canon Park
Melville, NY 11747 U.S.A.

Canon Hollywood
Professional Technology and Support Center
6060 Sunset Boulevard
Los Angeles, CA 90028 U.S.A.

Canon Canada, Inc.
6390 Dixie Road
Mississauga, Ontario L5T 1P7 Canada

Canon Latin America, Inc.
703 Waterford Way, Suite 400
Miami, FL 33126 U.S.A.

Canon Mexicana, S. de R.L. de C.V.
Blvd. Manuel Ávila Camacho No. 138, Piso 17
Col. Lomas de Chapultepec
C.P. 11000 México, D.F. México

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PROFESSIONAL CAMCORDERS

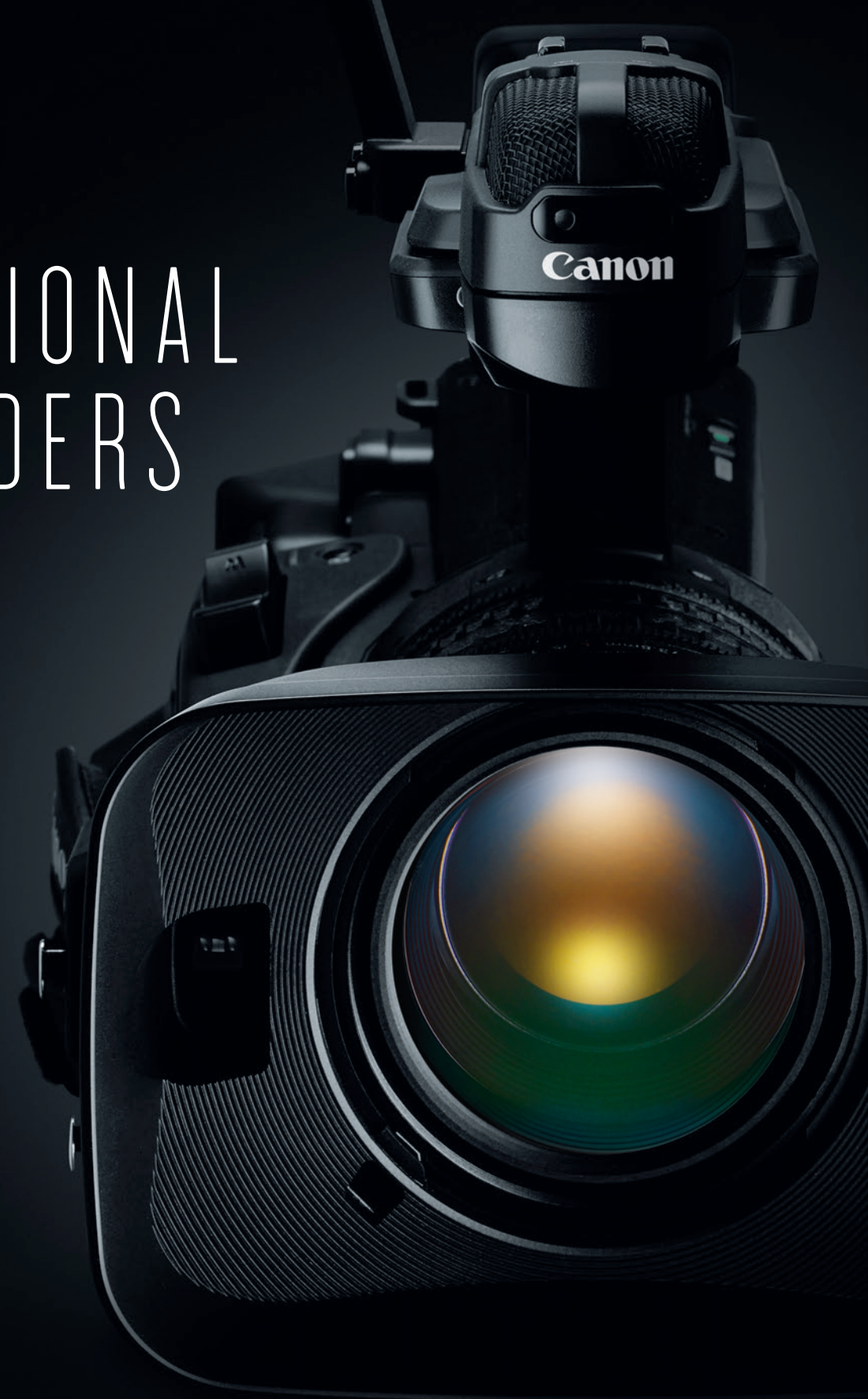


Photo credit: © Matt Powers

Left: *Camera operator Dawson Childers using a Canon XF305 Professional HD Camcorder to shoot "Coal" on location in West Virginia.*
Right: *Camera operators use Canon XF305 Professional HD Camcorders to capture the action of sporting events for the St. John's University athletic website. Photo credit: Camera operator Casey L. Warren using the Canon EOS 5D Mark II Digital SLR at Carnesecca Arena / St. John's University in Queens, New York.*

IMAGE QUALITY. PERFORMANCE. FLEXIBILITY.

Canon's XF and XA Series professional high-resolution camcorders deliver performance where it counts – in the field, in the studio, wherever and whenever you need maximum image quality and full creative control. With a unique combination of ultra-resolution zoom lenses, high-caliber CMOS image sensors, powerful DiG!C DV Image Processors and industry-standard compression codecs, these systems not only provide outstanding image quality but also the operability, flexibility, reliability and connectivity professionals demand. Videographers will find these tools capable of capturing creative, powerful, immersive video content. They are ready to go to work on a range of projects, from broadcast journalism to filmmaking.

"Many of our shooters use Canon digital SLR cameras and lenses, which provide unbelievable quality. We had three cameras shooting per shift around the clock for two months. The Canon XF305 delivered fantastic performance in the mine."

Eric Lange / Co-Executive Producer for "Coal," a reality TV series.

TAKING HIGH DEFINITION MOTION CAPTURE WELL BEYOND THE ORDINARY.

Genuine Canon HD Video Zoom Lenses

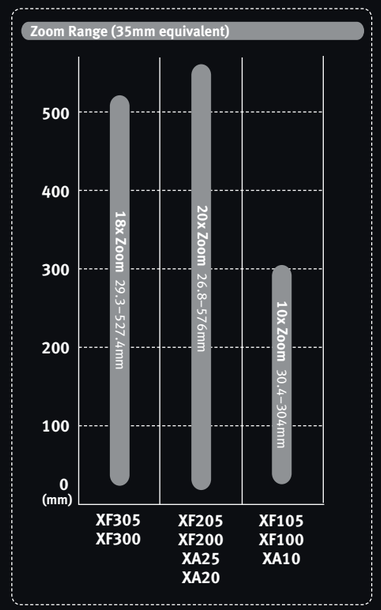
The XF305 and XF300 HD Camcorders feature a stunning Genuine Canon 18x HD L-Series video lens designed to capture images with superb clarity, and capable of delivering 1,000 TV lines of resolution. With a 35mm equivalent zoom range of 29.3–527.4mm, the lens is perfect for virtually everything from wide-angle to extreme telephoto shooting. As with the legendary Canon EF L-Series camera lenses, this HD L-Series video lens uses advanced optical design and technology. It incorporates High-Index-Ultra-Low Dispersion (HI-UD), UD and aspherical lens elements to capture high-resolution video while minimizing chromatic aberration. Precise and predictable lens operation is achieved with mechanical end stops for both zoom and focus systems. Additionally, the lens barrel includes distance indicators for easily setting focus distance or moving between focus points while recording.

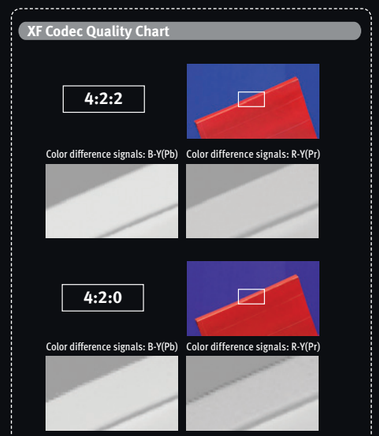
The feature-rich XF205 and XF200 camcorders, together with the ultra-compact XA25 and XA20 models, feature a highly versatile Genuine Canon 20x HD Video Lens that captures superb images with outstanding clarity at 900 TV lines of resolution. Offering a 35mm equivalent zoom range of 26.8–576mm (range is 28.8–576mm with Dynamic IS on), the lens provides an extended zoom range optimized for both wide-angle and extreme telephoto shooting. And its flexible focal range and enhanced wide angle offer many creative options, even when working at a distance. An 8-blade circular aperture provides more natural and visually pleasing bokeh. In addition, both the XF205 and XF200 camcorders feature three separate rings on the lens for independent control of critical Focus, Zoom and Iris/Aperture settings.

The compact XF105, XF100 and XA10 camcorders feature a meticulously engineered Genuine Canon 10x HD Video Lens that helps enable stunning HD capture. With a 35mm equivalent of 30.4–304mm, the lens provides a versatile zoom range that can be extended with optional Canon wide-angle or teleconverter lenses. Close-focusing capability is maintained throughout the entire zoom range, and a maximum aperture of f/1.8 enhances acquisition capability in low-light conditions. The lens provides a manual focus ring that can be used at any time, even during AF operation.

1920 x 1080 Canon CMOS Image Sensors

Engineered and manufactured entirely by Canon, the CMOS image sensors employed in the XF305/XF300, XF205/XF200, XF105/XF100, XA25/XA20 and XA10 feature 1920 x 1080 resolution to ensure Full HD video recording with wide dynamic range and low noise. Both the 1/3-inch sensor size of the XF305, XF300, XF105, XF100 and XA10 camcorders, and the 1/2.84-inch sensor of the XF205, XF200, XA25 and XA20 camcorders enable a compact lens and body design for greater shooting versatility. The XF305 and XF300 use three CMOS image sensors for optimal color purity and accuracy.





These illustrations represent a color image converted to RGB, after which each component signal is converted to monochrome. Since B-Y and R-Y signals lack a brightness component and only indicate saturation, images produced from them look quite unnatural to the human eye. To avoid confusion, the illustrations are produced by conversion to monochrome and then, for convenience, conversion of saturation to brightness.

DiG!C DV Image Processors

Designed specifically for Canon HD camcorders, **DiG!C** DV Image Processors provide brilliant clarity and superb processing power for advanced image stabilization technologies. The **DiG!C** DV III Image Processor helps ensure natural, life-like colors with excellent black reproduction. Tonal gradations and shadow details are captured with remarkable accuracy, and it helps enable Genuine Canon Face Detection, which is ideal for tracking a face in a crowd. The **DiG!C** DV 4 Image Processor builds upon these features, improving low-light shooting and ramping up processing power to allow simultaneous recording in MP4 and AVCHD – with both possible at 1080/60p.

Standardized MXF File Structure (XF Series only)

The XF Series camcorders use Material Exchange Format (MXF). MXF, an internationally standardized file format, is designed to make the exchange of audio and video materials among NLE (Non-Linear Editing) systems simple. The MXF format wraps video and audio with metadata in a single file, maintaining access to critical information throughout the production process.

MPEG-2 4:2:2 50 Mbps XF Codec (XF Series only)

The XF Series camcorders record stunning images using the Canon XF Codec, which captures Full HD (1920 x 1080) at a maximum constant bit rate of 50 Mbps with 4:2:2 color sampling and industry-standard MPEG-2 compression. 4:2:2 sampling delivers twice the color resolution of HDV and other 4:2:0 codecs, helping to ensure ultra-fine tonal transitions through post-production processes. This makes the Canon XF Series camcorders an excellent choice when advanced post-production techniques, such as compositing, color correction or grading, are required. The 50 Mbps bit rate provides the high bandwidth needed to deliver outstanding color rendition and image detail. The use of highly reliable and versatile MPEG-2 compression helps to assure the widest compatibility with existing infrastructure, including non-linear editing (NLE) systems (Adobe®, Apple®, Avid® and Grass Valley®). XF Series camcorders can be easily integrated with established workflows, such as those of terrestrial broadcasting, and cable and satellite television networks.

Frame grabs from XF305 video footage

MXF and MP4 Dual Recording (XF205 and XF200 only)

The Dual Codec Recording of the XF205 and XF200 camcorders offers format choices that are useful for various post-capture options. The **DIGIC** DV 4 Image Processor and multiple memory card slots enable simultaneous recording in high bit-rate MXF format and web-ready MP4 format at a variety of bit rates to suit the task at hand. MXF mode supports broadcast-ready Full HD 50 Mbps MPEG-2 shooting with 4:2:2 color sampling for high-quality chroma key compositing as well as 1440 x 1080 4:2:0 capture at 35 Mbps for specific applications. MP4 format supports 1080/60p at 35 Mbps for crystal clear imaging of fast-moving subjects, as well as reduced resolutions down to 640 x 360 at 3 Mbps for instant news reporting even when bandwidth is restricted.

MP4 and AVCHD Progressive Recording (XA25 and XA20 only)

The XA25 and XA20 can record in the MP4 codec, which enables direct video playback on iOS®-compatible devices without additional image conversion, as well as direct upload to social networking sites. The XA25 and XA20 camcorders can also record in AVCHD codec. Support for 1080/60p recording in AVCHD and MP4 yields twice the amount of information as 60i recording, helping to reduce diagonal noise. Using a maximum data rate of 35 Mbps for 28 Mbps for AVCHD helps ensure blur-free, high-quality capture of fast-moving subjects.

SuperRange Optical Image Stabilizer

The Canon SuperRange Optical Image Stabilizer (OIS) system employs sophisticated image-analysis techniques to help ensure effective correction for camera shake and jitter. Standard Mode uses lens-shift to provide constant compensation throughout the zoom range. Powered Mode helps improve vibration suppression at telephoto focal lengths. Dynamic Mode is specifically designed to stabilize the image when walking and shooting handheld.

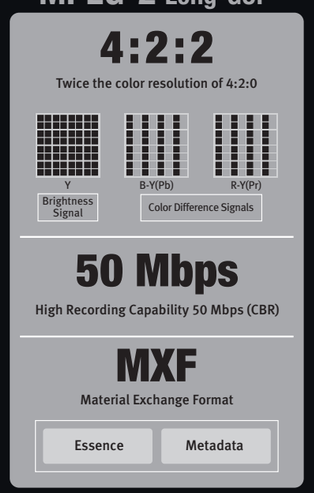
The XF205/XF200 and XA25/XA20 camcorders all feature a unique, enhanced Five-Axis Dynamic Super Range OIS system, which combines optical and electronic correction to reduce image distortion substantially – even when shooting while walking – for better-looking videos.

Dynamic Mode is specifically designed to stabilize the image when walking and shooting handheld by correcting simultaneously for roll, yaw and pitch.

8-Blade Iris

Compared to typical 6-blade designs, the 8-blade iris allows for smoother, more pleasing out-of-focus areas (“bokeh”), such as backgrounds in scenes with shallow depth-of-field. This is a decided advantage when shooting for artistic effect. The additional blades also reduce diffraction of light passing through the iris, enabling the use of smaller apertures while maintaining image quality. The XF205, XF200, XA25 and XA20 feature an 8-blade iris that is circular, which creates a truer aperture opening, reducing “flaring” of point light sources common to non-circular designs.

Canon XF Codec



MXF and MP4 Dual Recording (XF205/XF200)

Rotating Grip (XF205 shown)

Total angle of rotation
120° (15° increments)

Five-axis Dynamic Super Range OIS (XF205 shown)

XF305 4.0-inch LCD Monitor

Enhanced Autofocus System

The XF Series and XA Series include Canon’s advanced autofocus technology. All the professional camcorders offer: Instant AF, which uses both the TTL-Video Signal Detection System and the external sensor; and Normal AF, which uses only the TTL-Video Signal Detection System. Select models offer Medium AF, which provides smooth focusing in situations where a more gradual AF response is desired.

The XF Series and XA Series feature Face Detection AF, which tracks focus on faces when present. Users can select the face to be tracked and Face Detection AF has the ability to track even if the subject face is in profile. If the chosen tracked face is not present in a shot, the subject in the center of the screen will automatically be brought into focus.

The XF205/XF200, XF105/XF100 and XA Series camcorders also feature Face Only AF, which automatically keeps the chosen tracked face in focus but, should that face leave the scene, it will reset focus to manual mode.

Refined Ergonomics

XF Series and XA Series camcorders are designed from the ground up to help maximize shooting comfort and usability. The XF305 and XF300 camcorders feature redesigned layouts making their operation more intuitive than that of previous Canon camcorder models. New users and users switching from other products will find the button layout, camcorder menu system and camcorder controls easy to master and easy to use out of the box. The well-balanced design allows the operator to comfortably control the camera and easily maintain a steady shot with minimal arm fatigue. The rotating grip on the XF205 and XF200 camcorders helps ensure a firm grip and flexible operation to accommodate situations which require high- or low-angle shooting. Each camcorder of the XA Series weighs under two pounds, ideal for when speed and mobility are necessary and in situations where keeping a low profile is beneficial.

Intelligent Lithium-Ion Batteries

XF Series and XA Series camcorders feature intelligent lithium-ion batteries, which report remaining power and battery life cycle information to the camcorder, helping to remove the guesswork from battery management. Batteries for the XF Series can be used interchangeably among XF300, XF200 and XF100 Series cameras. XF Series camcorders are also backward compatible with older BP series batteries and chargers, a feature designed to help protect investments in legacy Canon assets.

3.5-inch OLED Panel and Tilt-type High Resolution EVF (XF205/XF200 and XA25/XA20 only)

The XF205/XF200 and XA25/XA20 camcorders feature a 3.5-inch, 1.23 million-dot, Organic Light-Emitting Diode (OLED) Panel with a self-light-emitting design that offers a number of user advantages compared to conventional LCD-type displays, including a high contrast ratio, a wide view angle, a high-speed response, slimmer dimensions and lighter weight.

The XF205/XF200 and XA25/XA20 camcorders also include a high-resolution, 0.45-inch and 0.24-inch color electronic viewfinder, respectively. A resolution of 1.23 megapixels (XF205/XF200) and 1.56-megapixels (XA25/XA20) help ensure critical focus adjustment, with peaking applied if necessary. A number of peaking and magnification settings available in standby and record modes let the operator further check and confirm focus parameters. For added comfort, the widescreen EVF can be tilted and turned upward approximately 68° (XF205/XF200) and 45° (XA25/XA20).

4.0-inch LCD Monitor, High Resolution EVF and Advanced Focusing Features (XF305 and XF300 only)

The XF305 and XF300 feature a bright and sharp 4.0-inch, 1.23 million-dot LCD monitor with approximately 100% field of view coverage. The LCD flips both ways for viewing from the left or right side of the camera and has an extra 35 degrees of movement for increased operability, even in tight situations. The XF305 and XF300 also provide a 0.52-inch, 1.555 million-dot color electronic viewfinder (EVF). Two peaking modes and a magnification mode are available in standby and record mode, making it easy for the camera operator to check and confirm critical focus. In addition, Canon’s Edge Monitor Focus Assist system displays a red and green waveform monitor at the bottom of the LCD monitor and three red focus check areas across the monitor. The green waveform shows overall focus while the red waveform shows the status of each focus check box. With this dynamic focus feedback, the user can quickly tune focus in a specific area, and move between focus points in a scene with a vastly greater level of accuracy and speed.

Advanced Features

The XF Series and XA Series of professional camcorders feature a number of functions designed specifically to help streamline complicated video shoots. Display Features such as color peaking, zebra pattern, color bars and test tone (1 kHz) provide users with an outstanding level of image control, to help ensure accurate results under variable lighting conditions.

Often only available as expensive external units, both the XF Series and the XA10 incorporate versatile waveform monitors that provide an objective and detailed analysis of overall image brightness and RGB components, letting users determine the correct exposure for a shoot with enhanced precision. The XF305 and XF300 also feature a vectorscope, which analyzes image hue and saturation in real time, making it possible to achieve accurate white balance and effect color balance changes on the fly.

Customization

With extensive custom settings, the XF Series lets users control and customize virtually every facet of a video shoot. A large range of image quality, control and display options help to ensure that operation is intuitive, speedy and comfortable, no matter the chosen style of shooting.

To help users achieve just the right look, Custom Picture Settings allow professional videographers to define Gamma, Knee, Color Matrix Adjustment, Saturation, Sharpness, Master Black, Skin Tone and much, much more.

To customize operation to match specific tastes and user preferences, many functions can be assigned to convenient control buttons. And all custom menus and settings can be saved onto removable media, thereby helping to significantly reduce set-up time while matching multiple cameras to a preset shooting style, or when moving between different cameras.

Infrared Shooting Capability

For investigative reporting, surveillance and similar projects, the XF205, XF200, XF105, XF100 and the camcorders of the XA Series feature an infrared shooting mode that produces video images that are evenly illuminated from the center to each edge of the picture area. Users can choose between Green and White IR recording modes according to personal preference. To prevent configuration or operating errors, the camera automatically turns off the IR LED when the user switches from infrared to normal video mode.

The XF205/XF200 camcorders feature an improved, diffused LED which is approximately three times brighter than the infrared light used on previous Canon models, providing greater usable distance range in dark shooting conditions.

The XF205/XF200 and XA Series camcorders also have an infrared emitter that is housed in a detachable handle, which increases functionality and flexibility.

3D Shooting Assist (XF305 and XF105 only)

XF Series camcorders can be paired to enable true stereoscopic 3D image recording.[†] Built-in features which aid optical alignment of the cameras, display relative zoom position, and enable zoom distance calibration make the XF Series camcorders excellent choices for 3D production. The XF305 and XF105 also feature 3D-capable genlock for camcorder synchronization. The compact size of the XF Series can be a huge advantage, providing a more manageable alternative to large 3D rigs.

*[†]Available with current firmware upgrade. Visit **pro.usa.canon.com** for details.*

Available Custom Functions

XF305/XF300

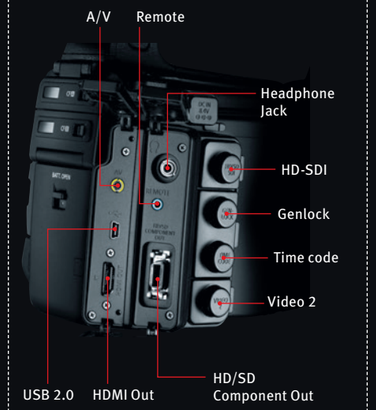
Function	Description
Shockless Gain	Softens transitions when changing gain
Shockless White Balance	Softens transitions when changing white balance
AE Response	Controls the responsiveness of the AE system
Iris Limit	Sets the diffraction limit ON/OFF
Iris Ring Direction	Changes the direction of adjustment when turning the iris ring
Focus Ring Control	Sets the sensitivity of the focus ring control
Focus Assist B/W Mode	Selects whether to change the display to black-and-white when Focus Assist is activated (Magnify, Peaking, Both, or Off)
Object Distance Unit	Selects whether distance to object is displayed in feet or meters
Zoom Indicator	Selects whether the zoom indicator is a graphic bar or a numeric display
ZR-2000 AE Shift	Changes the function of the AE shift on the ZR-2000 remote to either AE shift or iris control
Scan Reverse Record	Inverts the image for use with 3rd party depth of field film lens adapter (Horizontal, Vertical, or Both)
Character Record	Embeds the display information to the recorded image

Intuitive Button Controls and Layout (XF305 shown)

"I found that they were both great choices. Neither the Canon XF305 nor the XF105 are heavy or cumbersome. They're small, but not too small, and have HD lenses. Then there's the fact that the XF305 and XF105 have HD-SDI output, genlock input, and SMPTE time code in/out, which are very handy, since we're doing not only live game coverage but also studio productions such as the 'Red Storm Report' for a regional cable network."

Sean McCluskey / St. John's Director of Multimedia Services

XF305 Terminals



Extensive Connectivity

The XF Series is designed with numerous options to help ensure that the camcorders meet the requirements of professional workflows. They are equipped with a DC-In terminal, allowing connection to AC power and the hot swapping of batteries, XLR audio inputs for connection to professional audio devices, Hi-Speed USB, HDMI out, AV out, component video out and dedicated video 2 out (XF305/XF300), Ethernet LAN terminal (XF205/XF200), 3G-SDI (XF205), and a remote connection featuring full LANC support for camera control with third-party controllers. The XF305/XF300[††] and XF205/XF200 are compatible with Remote Controller RC-V100. In addition, the XF305, XF205 and XF105 are equipped with terminals for HD-SDI output, genlock and SMPTE time code (in/out). The XA Series, similarly, has a DC-In terminal, Hi-Speed USB interface, HDMI out, AV out, headphone jack, and, with the handle attached, two XLR audio mic/line inputs with switchable 48V phantom power. The XA25 features a terminal for HD-SDI output, while the XA10 offers component video out.

[††]XF305/XF300 will require a firmware update to support this accessory.

HD-SDI Output, Time Code and Genlock

Four camcorders – the XF305, XF205, XF105 and XA25 – feature a very useful HD/SD-SDI format output via a conventional BNC connector. Industry-standard Serial Digital Interfaces carry uncompressed, unencrypted video with optional embedded audio and timecode data at nominal data rates of up to 1.485 Gbps between cameras and a variety of professional equipment, including non-linear editors, recorders, workstations, uplinks and other digital cinema/TV hardware. SDI links provide greater image fidelity and resolution than standard HDTV connections; latching BNC ports also help ensure that cables are more securely connected.

SDI connections can also be used for high-speed transfer of HD/SD-format video to signal processors that can upload files using 3G and 4G cellphone links, as well as via satellite or microwave hops to professional broadcast and post-production facilities. While SDI ports can carry up to 16 channels of embedded digital audio, the XF305, XF105 and XA25 camcorders deliver two channels of digital audio while the XF205 can deliver 4-channel audio.

The XF305, XF205 and XF105 camcorders also feature additional genlock and timecode connectors. Genlock or Sync Out helps ensure that the camera can be accurately synchronized to external video systems, while Time code in/out ports enable frame-accurate synchronization between video sources during picture editing and post production.

Built-in Wi-Fi® Technology

The XF205, XF200, XA25 and XA20 feature built-in dual-frequency (5 GHz/2.4 GHz) Wi-Fi® technology, helping to increase the versatility and reliability of these camcorders. Wi-Fi® technology enables FTP file transfer to Cloud-based servers for convenient back-ups, or for situations where a relay station, such as a news truck, is not available, while the dual bands help ensure that the camcorders can send signals even in areas with increased signal interference. It is also possible to connect to compatible networks, wireless hotspots and iOS® mobile devices using the free Canon Movie Uploader app*, or play back video on the camcorders' memory cards to Wi-Fi®-enabled TVs and computers. Additionally, Wi-Fi® technology allows remote control of key camcorder controls, exposure functions and focus settings, conveniently from your web browser when using a smartphone or tablet.

* *This software enables you to upload images to social network sites. Before uploading images, please be aware that image files may contain privacy related information such as people and places. If necessary, please delete such information. Canon does not obtain, collect or use such images or any information included in such images through this software. Compatible with iOS version 5/6/7 for select devices. MP4 60p and AVCHD recordings are not supported for this function.*

Wired LAN (Ethernet) Connection (XF205 and XF200 only)

In addition to dual-frequency Wi-Fi® links, the XF205/XF200 feature a familiar Ethernet connector for quickly linking the camcorder to conventional wired local-area networks and wireless routers, thus enabling browser preview during shoots, in addition to FTP transfer of video files to an external PC or laptop. Browser-enabled remote control is also supported by connecting to a wireless router via Ethernet.

Compact Flash Card Recording (XF Series only)

The XF Series camcorders record on readily available, nonproprietary and inexpensive CF cards. Besides their rugged, solid-state construction and the speed and ease with which files can be transferred to computers, CF cards represent important cost savings. All XF Series camcorders have two hot-swappable CF card slots, providing options for relay recording, copying and backup.

SD Memory Card Recording (XF205/XF200 and XA Series only) and Internal Flash Drive (XA10 only)

The XF205/XF200 and XA Series camcorders provide SDXC-compatible memory card slots (the XF205/XF200 have a single card slot and the XA Series have dual card slots) for versatile, high-capacity recording options. Extended length continuous capture is possible with the Relay Recording function. The two slots can also be used for simultaneous recording, which provides on-the-fly backups. The XA25/XA20, using the increased processing power of the **DiG!C** DV 4 Image Processor, are capable of Dual Recording, which enables simultaneous recording in different formats, such as AVCHD and MP4, or MP4 and MP4 in different bit rates. In addition, the XA10 features a 64GB internal flash drive.

Recording Modes and Frame Rates

The XF Series is equipped to match the requirements of a wide variety of applications. They will capture MPEG-2 4:2:2 files at 50 Mbps (Constant Bit Rate), or 35 Mbps (Variable Bit Rate) for even longer shooting times, and 25 Mbps (Constant Bit Rate) for full compatibility with HDTV content. In addition to shooting in Full HD 1080 mode, 720p mode is available at speeds up to 60 frames per second for capturing events such as sports and fast action.

The XA25 and XA20 offer Dual Recording, which allows the user a choice of either AVCHD or MP4; the XA10 features only AVCHD recording. 1080/60P recording helps ensure virtually blur-free, high-quality recordings; for enhanced flexibility, the XA25 and XA20 offer 60i, PF30 and Native 24p frame-rate modes.

For time-lapse applications, the XF Series and the XA10 also provide Interval Recording mode, which can be programmed to shoot a specified number of frames at pre-defined intervals without operator intervention. For stop-frame animation, these cameras feature a Frame Record function, which captures a specified number of frames each time the camera is triggered.

For shoots when the action stops and starts, the XF Series and XA Series both offer a Pre-Record feature, which constantly buffers approximately three seconds of video into memory, helping to ensure that no important or unexpected action is missed. Because Slow- and Fast-Motion modes let these camcorders record at different frame rates from playback, there is virtually no quality loss due to interpolation and maximum image quality is maintained. For the XF Series in 1080p mode, fast motion is supported up to 2.5x the normal rate and as slow as 1/2.5x. In 720p mode, fast motion is supported up to 5x the normal rate and as slow as 1/1.25x. The XA25 and XA20 also offer Slow- and Fast-Motion recording in MP4 mode.

Ethernet Terminal (XF205 shown)

CF Card and SD Card Slots (XF205 shown)

Recording Modes for the XF Series

Recording Modes		Frame Rate
50Mbps 4:2:2	1920x1080	60i
		30p
		24p
	1280x720	60p
		30p
		24p
35Mbps 4:2:0	1920x1080	60i
		30p
		24p
	1440x1080*	60i
	1280x720	60p
		30p
		24p
25Mbps 4:2:0	1440x1080	60i
		30p
		24p

* XF305/XF300 and XF105/XF100 may require firmware update.

XF305
XF300

A REVOLUTION IN HIGH DEFINITION

With a host of features previously reserved for only the most advanced professional camcorders, the Canon XF305 and XF300 deliver Full HD 1920 x 1080 video simply and economically. Featuring MPEG-2 4:2:2 50 Mbps recording directly to cost-efficient Compact Flash cards, the XF305 and XF300 are designed to operate seamlessly within established industry workflows, quickly delivering outstanding image quality for any application. Whether shooting news, documentaries, weddings or events, on location or in the studio, the XF305 and XF300 raise the bar, offering outstanding reliability and intuitive operation that one can only expect from Canon.

- File-based recording: MPEG-2 4:2:2 50 Mbps codec (Canon XF Codec) to Compact Flash (CF) cards (dual slots)
- Genuine Canon 18x HD L-Series Lens
- 3 Canon native 1920 x 1080 CMOS Image Sensors
- Canon **DiG!C** DV III Image Processor
- SuperRange Optical Image Stabilization system with Dynamic and Powered modes
- Multiple recording bit rates, resolutions and variable frame rates
- Industry standard HD-SDI output, genlock and SMPTE time code terminals (XF305 only)
- Large 4.0-inch 1.23 million-dot LCD and High Resolution 1.55 million-dot EVF
- Fully customizable image, operation and display adjustments
- Onboard waveform monitor and vectorscope; 2 XLR terminals with independent audio level control

Firmware Update Available

With the current firmware upgrade, the XF305 and XF300 will provide added functionality:

- 3D Assist Function, including manual OIS Lens Shift and Focal Length Guide
- Additional Scan Reverse modes to acommodate mirrored 3D rigs
- Double-Slot Recording for real-time back-up of footage
- Relay Recording On/Off for improved control over how the second card is used

XF305/XF300 Kit Contents

- XF305/XF300 Camcorder
- Lens Hood
- Eyecup
- Battery Pack BP-955
- Compact Power Adapter CA-930
- DC Cable DC-930
- Wireless Controller WL-D6000
- Shoulder Strap SS-1200
- Component Cable DTC-1500
- Canon XF Utilities Disc

XF205
XF200

A HIGHLY VERSATILE HD PACKAGE

The Canon XF205 and XF200 Professional Camcorders are small and compact – perfect for a wide range of video applications, from ENG and documentaries to weddings, sports and other special events. The camcorders feature full image stabilization, separate focus, zoom and iris control rings, a rotating hand grip, infrared capabilities, flexible MXF/MP4 recording at variable data rates, two/four-channel audio recording, networking and built-in Wi-Fi®. A versatile Genuine Canon 20x HD wide-angle video lens captures images with outstanding clarity across a broad 35mm equivalent 26.8–576mm zoom range, while an eight-blade circular aperture provides natural bokeh. The XF205 also features HD-SDI outputs, plus genlock and time code ports for enhanced connectivity.

- 26.8mm* Wide, 20x Optical Zoom lens with 3 separate lens rings (focus, zoom and iris)
- Enhanced Image Stabilization (Five-Axis Dynamic Super Range OIS System)
- Ergonomic, rotating grip
- Equipped with wide DR gamma (600%) mode and refined, 8-bladed Circular Aperture
- Infrared, high-sensitivity shooting function with enhanced exposure performance
- Professional 0.45-inch color viewfinder and precise 3.5-inch OLED panel
- MXF and MP4 Dual Codec Recording
- MP4 (640 x 360, 3 Mbps) for news flash reporting
- Slow & Fast Motion function supported (MXF)
- 4:2:2 50 Mbps (MXF); 1920 x 1080 59.94p 35 Mbps (MP4)
- 35 Mbps 1440 x 1080 recording supported for broadcast usage (MXF)
- Three memory card slots for maximum flexibility (2 CF card slots and 1 SD card slot)
- Ethernet LAN terminal provided to make file transfer possible
- HD-SDI monitor output, 3G-SDI output, time code and genlock (XF205 only)
- 5 GHz and 2.4 GHz dual-frequency built-in Wi-Fi® capability
- Browser remote, FTP file transfer (MXF/MP4) functions featured
- 4-channel audio recording
- GPS data added by attaching optional GPS Receiver GP-E2

**35mm equivalent*

Terminals of the XF205

HD-SDI monitor output and 3G-SDI output connectors

XF205/XF200 Kit Contents

- XF205/XF200 Camcorder
- Lens Hood
- Eyecup
- Battery Pack BP-955
- Compact Power Adapter CA-930
- DC Cable DC-930
- Wireless Controller WL-D6000
- Microphone Holder Unit
- Canon XF Utilities Disc

XF105
XF100

HIGH DEFINITION COMES OF AGE

Featuring MPEG-2 4:2:2 50 Mbps capture, a Canon CMOS sensor and direct recording to Compact Flash (CF) cards, the Canon XF105 and XF100 offer outstanding versatility and value for a variety of professional applications. With infrared recording and support for stereoscopic 3D production, these camcorders are ideal for the exploration of new creative outlets and emerging markets. The possibilities are limitless with the XF105 and XF100 – compact, lightweight, reliable "go to" camcorders that deliver exceptional performance and integrate seamlessly with established industry workflows.

- Compact, lightweight design for extreme portability and usability
- File-based recording: MPEG-2 4:2:2 50 Mbps codec (Canon XF Codec) to Compact Flash (CF) cards (dual slots)
- Genuine Canon 10x HD Video Lens
- Canon native 1920 x 1080 CMOS Image Sensor
- Canon DiG!C DV III Image Processor
- SuperRange Optical Image Stabilization system with Dynamic and Powered modes
- Supports 3D and Infrared shooting
- Multiple recording bit rates, resolutions and variable frame rates
- Industry-standard HD-SDI output and genlock/SMPTE time code terminals (XF105 only)
- Large 3.5-inch 920,000-dot LCD monitor and EVF
- Fully customizable image, operation and display adjustments
- Onboard waveform monitor ensures accurate exposure during capture
- 2 built-in XLR terminals with independent audio level control

Terminals of the XF105

HD-SDI output and genlock/SMPTE time code terminals

XF105/XF100 Kit Contents

- XF105/XF100 Camcorder with Lens Cap
- Lens Hood
- Battery Pack BP-925
- Compact Power Adapter CA-930
- DC Cable DC-930
- Wireless Controller WL-D6000
- Shoulder Strap SS-1200
- Microphone Holder Unit
- Component Cable CTC-100/S
- Canon XF Utilities Disc

XA25
XA20

VERSATILE POWERHOUSE PERFORMER

The XA25 and XA20 HD professional camcorders are the smallest and lightest units that Canon has ever offered. Based on the popular XA10 with new features designed to meet the demands of a growing pro-user market – including a choice of AVCHD or MP4 codecs, Canon Full HD CMOS Image Sensors with 1080P Full HD resolution, five-axis image stabilization, touch-sensitive OLED panels, multiple recording modes and built-in Wi-Fi® technology – these two camcorders provide uncompromising quality and features in an ergonomic and space-efficient package for ENG and EFP applications. Matched to a powerful Genuine Canon 20x zoom lens with a 26.8–576mm range, the XA25 and XA20 are highly versatile image-capturing systems.

- Genuine Canon 20x HD Video Lens with 8-Blade Circular Aperture and Switchable Manual Zoom/Focus Ring
- 1080/60p in MP4 (35 Mbps) and AVCHD Progressive (28 Mbps); Slow- and Fast-Motion recording; Native 24P recording
- HD-SDI Output Terminal (XA25 only)
- Built-in Wi-Fi® technology
- New 2.91 Megapixel Full HD CMOS sensor and **DiG!C** DV 4 Image Processor
- 3.5-inch 1.23 million-dot OLED Touch Panel Display and 1.56 million-dot Tilt Electronic Viewfinder
- Two SDHC/SDXC compatible memory card slots; Relay Recording; Dual Recording; double slot recording
- Enhanced Image Stabilization (Five-Axis Dynamic Super Range OIS System)
- Detachable handle adds: 2 XLR inputs, IR light, accessory shoe (cold), external microphone holder, zoom control and tally lamp
- Infrared shooting
- GPS data added by attaching optional GPS Receiver GP-E2

Terminals of the XA25

HD-SDI output terminal available

XA25/XA20 Kit Contents

- XA25/XA20 Camcorder
- Lens Hood
- Battery Pack BP-820
- Microphone Holder Unit/Handle Unit
- Wireless Controller WL-D89
- Compact Power Adapter CA-570
- USB Cable IFC-300PCU
- Mini-HDMI Cable HTC-100/S
- Stereo Video Cable STV-250N
- Bundled CD ROMs:
  - Pixela Transfer Utility Disc
  - Music Disc

XA10

ULTRAPORTABLE PRO HD PERFORMANCE

The XA10 camcorder is a small and lightweight full-featured professional camcorder. It stays true to the new 'X' concept of Canon camcorder engineering, first introduced with the XF Series models, providing professionals with uncompromising quality and functionality in an efficient, ergonomic design. The XA10 has been built from the ground up with professional applications in mind, incorporating the features that professionals demand while maximizing mobility. Its ultra-compact size and expansive feature set make it ideal for run-and-gun shooters, nature and wildlife videographers, journalists, bloggers and any video professional seeking to cover more and carry less.

- AVCHD format – up to 24 Mbps recording
- Ultra-compact and lightweight
- Records Full HD video to a 64GB internal flash drive or directly to 2 SDXC-compatible memory card slots
- Genuine Canon 10x HD Video Lens
- Canon 1/3-inch native 1920 x 1080 CMOS Image Sensor
- Canon **DiG!C** DV III Image Processor
- Variable frame rates: 60i, PF30, PF24 and Native 24p
- SuperRange Optical Image Stabilization system with Dynamic and Powered modes
- Infrared shooting
- 2 built-in XLR terminals with independent audio level control
- Full manual control
- 3.5-inch 922,000-dot Touch Panel LCD monitor and EVF
- Detachable handle

Dual-slot SD card slots

2 SDXC-compatible memory card slots

XA10 Kit Contents

- XA10 Camcorder
- Lens Hood
- Stylus Pen
- Battery Pack BP-808
- Microphone Holder Unit/Handle Unit
- Wireless Controller WL-D89
- Compact Power Adapter CA-570
- USB Cable IFC-300PCU
- Stereo Video Cable STV-250N
- Component Cable CTC-100/S
- Bundled CD ROMs:
  - Pixela Transfer Utility Disc
  - Music Disc

Specifications

	XF305	XF300	XF205	XF200	XF105	XF100	XA25	XA20	XA10
Signal System	NTSC (PAL Upgradeable)		NTSC (PAL Upgradeable)		NTSC (PAL Upgradeable)		NTSC		
Recording Media	CF card (2 slots) and SD card		CF card (2 slots) and SD card		CF card (2 slots) and SD card		SD/SDHC/SDXC memory card (2 slots)		64 GB Built-in Memory; SD/SDHC/SDXC memory card (2 slots)
Image Sensor	1/3-inch CMOS with High Speed Readout. Effective pixels: 1920 x 1080 pixels; approx. 2.07 Megapixels.		1/2.84 inch CMOS. Effective Pixels: 2136 (H) x 1362 (V) pixels; approx. 2.91 Megapixels.		1/3-inch (2.75µm cell pitch) CMOS. Effective Pixels: 1920 x 1080 pixels; approx. 2.07 Megapixels.		1/2.84-inch CMOS. Effective Pixels: 2136 (H) x 1362 (V) pixels; approx. 2.91 Megapixels		1/3-inch CMOS. Effective Pixels: 1920 (H) x 1080 (V) pixels; approx. 2.07 Megapixels
Lens	18x Optical Zoom 4.1–73.8mm f/1.6–2.8 (35mm equivalent 29.3–527.4mm)		20x Optical Zoom 3.67–73.4mm (35mm equivalent to 26.8–576mm without Dynamic IS; 28.8–576mm with Dynamic IS)		10x Optical Zoom 4.25–42.5mm f/1.8–2.8 (35mm equivalent 30.4–304mm)		20x Optical Zoom 3.67–73.4mm (35mm equivalent 26.8–576mm without Dynamic IS; 28.8–576mm with Dynamic IS)		10x Optical Zoom 4.25–42.5mm (35mm equivalent 30.4–304mm)
Image Stabilizer	SuperRange Optical Image Stabilizer (Color separation prism + dichroic filter); Lens Shift System. 4 Modes (Standard, Powered, Dynamic, Off)		SuperRange Optical Image Stabilizer (Lens Shift System) and electronic stabilization. 7 Modes (Intelligent, Dynamic, Powered, Macro, Tripod, Standard, Off)		SuperRange Optical Image Stabilizer (Color separation prism + dichroic filter); Lens Shift System. 4 Modes (Standard, Powered, Dynamic, Off)		SuperRange Optical Image Stabilizer (Lens Shift System) and electronic stabilization. 7 Modes (Intelligent, Dynamic, Powered, Macro, Tripod, Standard, Off)		SuperRange Optical Image Stabilizer (Color separation prism + dichroic filter); Lens Shift System. 4 Modes (Standard, Powered, Dynamic, Off)
AF System	TVAF plus External Phase Difference Metering Sensor, TTL-video signal detection system. 3 Modes (Instant AF, Normal AF, Face AF).		Hybrid AF (TTL-video signal detection system and external phase difference metering system) with Instant AF and Smooth AF control; Normal AF (TTL-video signal detection system). 5 Modes (Instant AF, Medium AF, Normal AF, Face Priority AF, Face Only AF).		TTL-video signal detection system autofocus, one electronic ring (Selection assigned from FOCUS, ZOOM and IRIS (ND)). 5 Modes (Instant AF, Medium AF, Normal AF, Face Priority, Face Only AF).		Hybrid AF (TTL-video signal detection system and external phase difference metering system) with Instant AF and Smooth AF control; Normal AF (TTL-video signal detection system). 5 Modes (Instant AF, Medium AF, Normal AF, Face Priority AF, Face Only AF).		TTL-video signal detection system autofocus, one electronic ring (Selection assigned from FOCUS, ZOOM and IRIS (ND)). 5 Modes (Instant AF, Medium AF, Normal AF, Face Priority AF, Face Only AF).
Minimum Illumination	Full AUTO mode: 4.5 lux (shutter speed 1/60, gain +21 dB); Manual mode: 0.08 lux (shutter speed 1/4, gain +33 dB, 60i)		P Mode: 1.2 lux (shutter speed 1/30 sec., with auto slow shutter ON); Low Light Mode: 0.1 lux (shutter speed 1/2 sec.)		Full AUTO mode: 4.5 lux (shutter speed 1/60, gain +24 dB); Manual mode: 0.11 lux (shutter speed 1/4, gain +33 dB, 60i)		P Mode: 1.2 lux (shutter speed 1/30 sec., with auto slow shutter ON); Low Light Mode: 0.1 lux (shutter speed 1/2 sec.)		P Mode: 1.5 lux (shutter speed 1/30, auto slow shutter ON); Low Light Mode: 0.1 lux (shutter speed 1/2 sec.)
Zoom	Zooming is possible using the zoom ring, grip zoom, handle zoom and LANC.		Zooming is possible using the zoom grip, handle zoom, seesaw zoom, LANC and Wi-Fi® remote.		Zooming is possible using the zoom ring, grip zoom, handle zoom, wireless controller and Zoom Remotes (ZR-2000/ZR-1000).		Zooming is possible using the zoom ring, grip zoom, handle zoom, wireless controller and Zoom Remotes (ZR-2000/ZR-1000).		
Audio Recording System	Recording system: Linear PCM; number of channels: 2 ch; sampling frequency: 48 kHz; number of quantizing bits: 16 bits		Recording system: Linear PCM; number of channels: 2 channel or 4 channel; sampling frequency: 48 kHz; number of quantizing bits: 16 bits		Recording system: Linear PCM; number of channels: 2 ch; sampling frequency: 48 kHz; number of quantizing bits: 16 bits		AVCHD: Linear PCM (2ch)* or Dolby Digital (2ch); MP4: MPEG-2 AAC-LC (2ch) *28 Mbps/24 Mbps video recording modes only; 16-bit resolution		Dolby Digital (AC-3, 2ch or 5.1ch supported)
Recording Codec	50 Mbps (CBR) 4:2:2, 35 Mbps (VBR) 4:2:0, 25 Mbps (CBR) 4:2:0		MXF: 50 Mbps, 35 Mbps, 25 Mbps MP4: 35 Mbps, 24 Mbps, 17 Mbps, 9 Mbps, 3 Mbps		50 Mbps (CBR) 4:2:2 422P@HL, 35 Mbps (VBR) 4:2:0 MP@HL, 25 Mbps (CBR) 4:2:0 MP@H14		AVCHD: 28 Mbps, 24 Mbps, 17 Mbps, 5 Mbps MP4: 35 Mbps, 24 Mbps, 17 Mbps, 4 Mbps, 3 Mbps		AVCHD: 24 Mbps MXP (VBR) 4:2:0, 17 Mbps FXP (VBR) 4:2:0, 12 Mbps XP+ (VBR) 4:2:0, 7 Mbps SP (VBR) 4:2:0, 5 Mbps LP (VBR) 4:2:0
Maximum Recording Time	64 GB at 25 Mbps: 310 minutes		MXF: 64 GB at 25 Mbps: 310 minutes MP4: 64 GB at 35 Mbps: 240 minutes		64 GB at 25 Mbps: 310 minutes		AVCHD: 64 GB at 28 Mbps: 305 minutes MP4: 64 GB at 35 Mbps: 240 minutes		64 GB at 24 Mbps: 355 minutes (Internal Flash Memory)
Viewfinder	16:9 aspect ratio		16.9 aspect ratio		16:9 aspect ratio (EVF)		16:9 aspect ratio (EVF)		
LCD Screen	4.0-inch (10.1cm) Approx. 1,230,000 dots		Rotating 3.5-inch Wide Screen OLED Display (Approx. 1.23 million dots)		Rotating 3.5-inch Widescreen Color LCD Display (Approx. 920,000 dots)		Rotating 3.5-inch Widescreen Capacitive Touch OLED Display (Approx. 1.23 million dots)		Rotating 3.5-inch Widescreen Color LCD Display (Approx. 922,000 dots)
Microphone	Stereo Microphone (Electret Condenser), with low cut filter. Microphone sensitivity selectable, Normal: 0 dB, High: +6 dB		Stereo Microphone (Electret Condenser), with low cut filter. Microphone sensitivity selectable, Normal: 0 dB, High: +6 dB		Stereo Microphone (Electret Condenser), with low cut filter. Microphone sensitivity selectable, Normal: 0 dB, High: +6 dB		Stereo Microphone (Electret Condenser); Frequency: Low-range Boosting, Low/High-range Boosting, Mid-range Boosting, Low-range Cut-off; Directivity: Monaural, Wide, Normal, and Zoom		
Memory Card (Photos+Presets)	SD/SDHC/SDXC memory card		SD/SDHC/SDXC memory card		CF/SD memory card. SD/SDHC/SDXC supported		SD/SDHC/SDXC supported		
Video Terminals	Analog: A/V Connector (3.5mm diameter); Video 2: Available, BNC Connector (Output Only); Signals can be output simultaneously from the AV and Video 2 jacks		HDMI/A.V Connector (3.5mm diameter)		A/V Connector (3.5mm diameter)		HDMI; A/V Connector (3.5mm diameter)		HDMI; Component; A/V Connector (3.5mm diameter)
Audio Terminals	2-XLR terminal (Mic Level and Line Level)		XLR (2 jacks) / 3.5mm external microphone terminal		XLR (2 jacks) / 3.5mm external microphone terminal		XLR (2 jacks) / 3.5mm external microphone terminal		
USB Connector	Mini-B USB 2.0 Hi-Speed		Mini-B USB 2.0 Hi-Speed		Mini-B USB 2.0 Hi-Speed		Mini-B USB 2.0 Hi-Speed		
Headphone Terminal	3.5mm stereo mini-jack		3.5mm stereo mini-jack		3.5mm stereo mini-jack		3.5mm stereo mini-jack (also serves as AV mini-terminal)		
Genlock Terminal	Yes; BNC Connector (Input Only)	—	Yes	—	Yes; BNC Connector (Shared with Time code) Adjustment range: -1023 to +1023 (also serves as terminal)	—	—		—
Time Code Terminal	Yes; BNC Connector	—	Yes	—	Yes (also serves as terminal)	—	—		—
HD/SD-SDI Terminal	HD/SD-SDI: Yes (with embedded audio); BNC Connector, output only. SD-SDI: 480i: compliant with SMPTE 292M, Time Code Standard: SMPTE 12M. HD-SDI: 1080i Compliant with SMPTE 292M, 720p: Compliant with SMPTE 296M, Embedded Audio: Compliant with SMPTE 299M, Time Code Standard: 12M	—	Yes (with embedded audio); HD 4:2:2 (YCbCr) 1920x1080: 60i/50i, 1280x720: 60p/50p; SD 4:2:2 (YCbCr) 640x480: 60i/50i BNC Connector, output only. SD-SDI: NTSC 480i/ PAL 576i: Compliant with SMPTE 259M Embedded Audio: Compliant with SMPTE 272M Time Code Standard: (VITC/LTC) SMPTE 12M. HD-SDI: (Compliant with SMPTE 292M) 1080i/720p: Compliant with SMPTE 292M 720p: Compliant with SMPTE 296M Embedded Audio: Compliant with SMPTE 299M	—	Yes (with embedded audio); HD 4:2:2 (YCbCr) 1920x1080: 60i/50i, 1280x720: 60p/50p; SD 4:2:2 (YCbCr) 640x480: 60i/50i BNC Connector, output only. SD-SDI: NTSC 480i/ PAL 576i: Compliant with SMPTE 259M Embedded Audio: Compliant with SMPTE 272M Time Code Standard: (VITC/LTC) SMPTE 12M. HD-SDI: (Compliant with SMPTE 292M) 1080i/720p: Compliant with SMPTE 292M 720p: Compliant with SMPTE 296M Embedded Audio: Compliant with SMPTE 299M	BNC Connector, output only	BNC Connector (output only) with embedded audio and timecode	—	—
Power Supply	7.4V DC (Battery Pack), 8.4V DC (DC-IN)		7.4V DC (Battery Pack), 8.4V DC (DC-IN)		7.4V DC (Battery Pack), 8.4V DC (DC-IN)		7.4V DC (Battery Pack), 8.4V DC (DC-IN)		
Dimensions (W x H x D)	Approx. 6.0 x 9.3 x 15.0 in./ 153 x 236 x 382mm (excluding lens hood, eyecup, grip belt)	Approx. 6.0 x 9.3 x 15.0 in./ 153 x 236 x 382mm (excluding lens hood, eyecup, grip belt)	Approx. 5.7 x 6.2 x 10.4 in./144 x 158 x 264mm (excluding lens hood, microphone holder unit, eye cup and grip belt)		Approx. 4.8 x 5.8 x 9.8 in./ 121 x 148 x 250 mm (lens hood, mic holder and grip strap)	Approx. 4.8 x 5.8 x 9.8 in./ 121 x 148 x 250mm (lens hood, mic holder and grip strap)	Approx. 4.3 x 3.3 x 7.2 in./109 x 84 x 182mm (body only)		Approx. 3.0 x 3.0 x 6.3 in./77 x 77 x 161mm (Excluding lens hood, mic holder unit, handle unit and grip strap, but including eyecup)
Weight	Approx. 5.9 lbs./2,670g (body only) Approx. 6.6 lbs./2,980g (with lens hood, battery and CF card (1))	Approx. 5.8 lbs./2,630g (body only) Approx. 6.5 lbs./2,940g (with lens hood, battery, CF card (1))	Approx. 3.44 lbs./1560g (body only) Approx. 4.32 lbs. /1960g (with lens hood, battery pack , eyecup, CF card and SD card)		Approx. 2.4 lbs./1070g (with grip strap) Approx. 2.8 lbs./1290g (with grip strap, lens hood, mic holder unit, battery, CF card and SD card)	Approx. 2.2 lbs./1020g (with grip strap) Approx. 2.7 lbs./1240g (with grip strap, lens hood, mic holder unit, battery, CF card and SD card)	Approx. 1.7 lbs./770g (with grip belt) Approx. 2.6 lbs./1160g (with lens hood, mic holder unit, handle unit, battery pack and memory card)	Approx. 1.7 lbs./765g (with grip belt) Approx. 2.5 lbs./1155g (with lens hood, mic holder unit, handle unit, battery pack and memory card)	Approx. 1.7 lbs./775g (with lens hood, mic holder unit and handle unit)

Errors and omissions excepted. Weight and dimensions are approximate. Specifications are subject to change without notice.

OUR CONTINUING COMMITMENT TO SERVICE, SUPPORT AND EDUCATION

Motion picture and video production is not just an artistic endeavor. It's also a business, with targeted budgets, profit requirements and inevitable deadlines. Professionals want to know they are dealing with professionals; while dealing with Canon, you can count on a proven creative partner. Our service is world-class, with Canon support programs specially customized to meet your needs. And, to help ensure that you remain current with new technologies and techniques, our educational commitment spans the range of live and online resources.

Dedicated Service for Professionals

The Canon Hollywood Professional Technology & Support Center was established to bring our world-class service directly to motion picture studios, the television industry, plus independent producers and videographers. Located in the heart of Hollywood, CA, our facility is staffed with expert technicians who are fully prepared to take care of all your professional products. We can accurately adjust cameras and lenses, repair both cinema and still-photography equipment, and meet the needs of professionals like yourself who are working with tight and often inflexible deadlines.

With our industry-leading turnaround times and substantial service-parts inventories, we aim to get you back in action fast. And while working on location, you can count on Canon's nationwide service centers for factory-quality repairs and available 24/7 Call Center support. And this is just part of our two-way relationship with you, the end user. Canon not only makes certain that all of your equipment is functioning perfectly when delivered, but we also use your valuable feedback and suggestions to help develop new and even better products.

You can learn more at: **pro.usa.canon.com/support**

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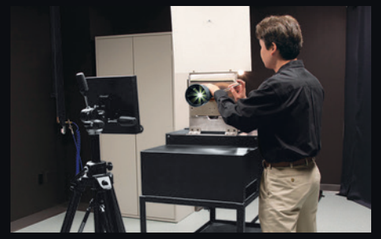

Canon Professional Services

Canon Professional Services (CPS) offers significant benefits for professional image-makers. Members can look to the CPS program for almost any need that presents itself. CPS features Silver, Gold, Platinum, Cinema and Enterprise membership levels, offering a range of benefits available to full-time working professionals who work with Canon equipment. These benefits can include 24x7 exclusive member phone support, expedited and discounted service and repairs, service loaners, equipment evaluation loans, equipment cleaning services, onsite support at shows and events, plus discounts on Canon Live Learning workshops and more. CPS offers a streamlined access point for unrivaled service and support that is critical for the working professional. Whether by telephone, in person, or via e-mail, CPS simply makes it faster for working professionals to get the support they need.

Find out more at: **cps.usa.canon.com**

cps. Canon Professional Services

CANON DIGITAL LEARNING CENTER

CANON LIVE LEARNING

Unsurpassed Educational Resources

Education is another important cornerstone of Canon's commitment to professional videographers and cinematographers. Whether working online, at a production lot or as part of a remote shoot, we are here to provide you with the essential resources that you need to remain current and keep your creative passion alive.

Canon Digital Learning Center

The **Canon Digital Learning Center,** our web-based education and information portal, is targeted at working professionals. It is widely recognized for its depth of available information, presented in a friendly and compelling format. The Canon Digital Learning Center's comprehensive online resources include tutorials, interviews, QuickGuides and in-depth informational articles. And because the Canon Digital Learning Center is tablet friendly, our encyclopedic content is always accessible 24/7 via the internet, almost anywhere in the world. Think of it as the "Anytime, Anywhere" resource for professional image-makers, enabling you to hit the job running with the confidence and know-how to make the very most of your Canon equipment.

Learn more at: **learn.usa.canon.com**

Canon Live Learning

Canon Live Learning (CLL) seminars and workshops are conducted nationwide and in our Hollywood Professional Technology and Support Center, with classes taught by both industry experts as well as Canon's renowned and experienced Explorers of Light. Covering a wide range of still and cinematic topics, ranging from techniques through equipment selection to in-depth system configuration, CLL events offer professionals and enthusiasts alike the opportunity to sharpen their skills in a number of immersive hands-on settings.

Schedules are available at: **usa.canon.com/canonlivelearning**