

Professional video performance a compact body with industry terminals for multi-camera environments.

The Canon XF105 professional video camera offers stunning image quality with FULL HD MPEG-2 4:2:2 at 50Mbps in an amazingly compact design. With industry standard terminals the XF105 is perfect for multi-camera environments. The wide angle 10x Optical Zoom lens with Optical Image Stabilizer and Instant Auto Focus allows you to quickly capture outstanding movies in any situation. The XF105 also makes it easy to put together a compact 3D system with impressive image quality. Recording to readily available CF cards with an MXF format, the XF105 is the ultimate compact professional video camera in multi-camera live switch shoots.



Key Features

Delivering superior image quality

- MPEG-2 FULL HD 4:2:2 50Mbps codec
- 1/3 inch CMOS Sensor System
- Genuine Canon 30.4mm wide-angle 10x HD Lens

Compatible with industry standard formats

- Utilises MXF file format
- Plug-ins for Apple/Avid/Adobe*/Grass Valley* for importing into NLE software
- Supports popular MPEG-2 4:2:2 workflows
- Includes Canon XF Utilities (Windows and Mac OS)

* To be supported by NLE software

Functional design and layout

- Compact design and weight is balanced and evenly distributed
- Intuitive button and switch layout
- Iris ring
- Large LCD screen

Expandable and customizable

- Dual CF Card slots supporting dual slot recording
- XLR, HDMI, USB, Remote, AV, Component, DC-in terminals
- HD, GENLOCK, TimeCode
- 23 'Custom Pictures' settings
- Full customization over image parameters such as colour, sharpness, gamma, etc
- Peaking, Zebra assist functions



MPEG-2 FULL HD (4:2:2) recording codec

This newly developed Canon XF codec enables high quality imaging and audio performance with up to 50Mbps data recording

Super fast processing with 1/3 inch CMOS Sensor System

A low noise system supporting slow and fast motion shooting and faster scanning reducing rolling shutter skews

Wide Angle Lens: 30.4 - 304mm f/1.8 - f/2.8 with 10x Optical Zoom

Equipped with a large Lens with a centre resolution of 900 TV lines (horizontal) and 800 TV lines (vertical), offers enhanced resolution at all zoom levels

Industry standard MXF format support

Material Exchange Format (MXF) is an established international standard which enables the use of metadata in broadcasting and other applications

Super Range Optical Image Stabilizer and Instant AF

Dynamic, Powered, and Normal image stabilization settings. Instant AF with Face Detection technology.

3.5 inch LCD and Viewfinder

A freely rotating 3.5 inch 920,000 dot LCD monitor and 0.24 inch 260,000 dot Electronic Viewfinder allows for great portability and accurate filming

Assisted 3D Shooting compatible

When two XF100 or XF105 models are aligned and synchronized with each other according to necessary assist functions, Optical axis adjustments and magnification adjustments, film amazing 3D movies.

Industry standard terminals

Genlock, HD / SD SDI and Time Code for seamless integration into multi camera live switch shoots



Canon FULL High Definition Camera System

Canon's complete FULL High Definition Video Camera System incorporates a HD CMOS sensor (1920 x 1080), genuine Canon HD Video Lens & powerful DiGiC DV III processor ensuring you get the best FULL HD filming results possible.

XF105 Technical Specifications	
Video System	
Media Type	Movies: CF Card Type I only (2 Slots), UDMA4 recommended; Stills: SDHC/SD Cards
Sensor	1/3 inch CMOS
Image Processor	DiGiC DV III
Movie Compression System	MPEG-2 Long GOP 4:2:2 (50 Mbps)
File Format	MXF
Image Pixels	
Effective Pixels	1920 x 1080
Lens	
Optical Zoom	10x
Focal Length (nominal)	4.25 – 42.5mm
Focal Length (35mm equivalent)	Approx. 30.4 – 304mm
F number	f/ 1.8 – 2.8
Filter Diameter	58mm
Focus Ring	Provided (electronic ring, no limits); however, this ring works in accordance with the operations selected for the focus, zoom and iris selector switches.
Zoom Ring	Provided (electronic ring). Focal length indicator, zoom limit provided.
Zoom Rocker	One of three settings (Slow, Normal or Fast) can be selected for the power zoom mode and, in each mode, either a variable speed (16 steps) or fixed speed (16 steps) can be set.
Iris Ring	Provided (electronic ring, no limits); however, this ring works in accordance with the operations selected for the focus, zoom and iris selector switches.
Aperture leaves	8 iris aperture leaves
Close up distance	60cm (over entire zoom range), 20 mm at wide macro setting
Image Stabilizer	Optical system (lens shift system adopted/Super range system support)
Zoom/focus preset function	None
One push AF function	None
ND filter	Built-in gradation ND filter
Filter diameter and pitch	Ø 58 mm / P0.75 mm
Recording Specifications	
50 Mbps CBR (4:2:2) [422P@HL]	1920 x 1080 PAL – 50i / 25P 1280 x 720 PAL – 50P / 25P
35 Mbps VBR (4:2:0) [MP@HL]	1920 x 1080 PAL – 50i / 25P 1280 x 720 PAL – 50P / 25P
25 Mbps CBR (4:2:0) [MP@H14]	1440 x 1080 PAL – 50i / 25P
Control/Balance	
Light Metering Method	Centre-weighted / Spot / Backlight Correction
Exposure Compensation	±7steps
White Balance Mode	AWB, Set (2 positions). Preset (Daylight/Tungsten), Colour Temperature (2,000K – 15,000K)
Illumination	
Min Illumination	3.8 Lux (shutter speed 1/50 sec), 0.05 Lux (shutter speed 1/3 sec)
LCD / Viewfinder	
View Screen / Pixels	3.5 inch wide screen LCD screen (920,000 dots), 100% coverage Angle adjustment enabled with high, low angle support and self portrait shooting possible Brightness, contrast, colour, sharpness and backlight adjustment
Viewfinder (Colour)	0.24 inch wide screen LCD screen (260,000 dots), 100% coverage Angle adjustment upward enabled. +2.0 to -5.5 diopter, 3-lens configuration Brightness, contrast, colour and backlight adjustment
Filming Models & Controls	
Recording Modes	50i / 25P
Special Recording Modes	Frame Rec, Interval Rec, Slow & Fast Motion, Pre-Rec
Audio	
Audio Data	Linear PCM (16-bit, 48KHz), 2-ch
Audio Level Metering	Manual audio level VR metering & control
Wind Screen	Wind Low-Cut setting x2
Still Image Recording	
Capture Size	1920x1080
Memory Card Type	SDHC / SD slot
Power	
Input Power Supply	7.4 V DC (Battery Pack), 8.4 V DC (DC IN)
Interface	

Included Accessories

- Battery Pack BP-925
- Power Supply Coupler DC-930
- Power Adaptor CA-930
- Wireless Controller WL-D6000
- Lens Hood
- Shoulder Strap
- Microphone Unit
- Canon XF Utility, Plug-in software

Optional Accessories

- Power Supply Coupler - DC-930
- Car Battery Adaptor - CB-920
- Battery Packs - BP-955 - BP-975
- Component Cable - DTC-1000
- Shooting Brace - SBR-1000
- Tripod Adaptor - TA-100
- Zoom Remote Control - ZR-2000
- Video Light - VL-10Li II
- Tripod Base - TB-1
- Wide Converter - WD-H58W
- Tele Converter - TL-H58
- Memory Cards – CF Cards Type I (UDMA4 Supported), SD Cards, SDHC Cards

Canon XF105 Professional Digital Video Camera



Terminals	Input Signals: XLR 3-pin jack Output Signals: HDMI (Type-A) USB (mini-B, USB 2.0 Hi-Speed) AV (3.5mm, 4-pole mini-jack) Component Headphone (3.5mm Stereo mini-jack) Remote (2.5mm Stereo mini-jack) Genlock HD-SDI Output Time Code input / output
Operating Platforms	Canon XF Utility - PC: Windows XP SP2/SP3 (32-bit), Vista SP1/SP2 (32/64-bit), Windows 7 (32/64-bit) Mac: OS X 10.4 to 10.6
General	
Dimensions W x H x D	121 x 148 x 250mm
Weight exc. battery (g)	Approx. 1.2kg