

## Professional video performance a compact body for excellent mobility.

The Canon XF100 professional video camera offers stunning image quality with FULL HD MPEG-2 4:2:2 at 50Mbps in an amazingly compact design. 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 XF100 also makes it easy to put together a compact 3D system with impressive image quality. Recording to readily available CF cards with an industry standard MXF format, the XF100 is the ultimate compact professional video camera.

### 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
- 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.

#### Infrared shooting in dark situations

By switching the IR switch on, shoot impressive video in the darkest of situations



### 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.

<b>XF100 Technical Specifications</b>	
<b>Video System</b>	
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
<b>Image Pixels</b>	
Effective Pixels	1920 x 1080
<b>Lens</b>	
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. Power zoom.
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
<b>Recording Specifications</b>	
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
<b>Control/Balance</b>	
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)
<b>Illumination</b>	
Min Illumination	3.8 Lux (shutter speed 1/50 sec), 0.05 Lux (shutter speed 1/3 sec) - I cannot confirm
<b>LCD / Viewfinder</b>	
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
<b>Filming Models &amp; Controls</b>	
Recording Modes	50i / 25P
Special Recording Modes	Frame Rec, Interval Rec, Slow & Fast Motion, Pre-Rec
<b>Audio</b>	
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
<b>Still Image Recording</b>	
Capture Size	1920x1080
Memory Card Type	SDHC / SD slot
<b>Power</b>	
Input Power Supply	7.4 V DC (Battery Pack), 8.4 V DC (DC IN)

#### 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 XF100 Professional Digital Video Camera



Interface	
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)
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