### XF100 XF105 XF300 XF305

Set your own standard: Professional, file-based Full HD.

### you can





# Outstanding, professional HD recording

Canon introduces an amazingly compact range of handheld professional HD video cameras. Setting new benchmarks in image quality and versatility, these file-based camcorders are our first to employ an MPEG-2 Full HD (4:2:2) recording codec – extending broadcast capabilities to all professional filmmakers.

#### **OUR HERITAGE**

Canon's HD Camcorder technology provides the ultimate in picture quality, thanks to precision engineering and knowledge built up through more than 50 years at the leading edge of professional imaging. With our unrivalled reputation in HD television broadcast lenses, Canon's optical know-how helps meet the demands of professional users everywhere.

The XF range incorporates four compact, ergonomic devices designed to meet the needs of a diversity of professional users.

#### XF300

#### UNRIVALLED CAPABILITIES

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These are the very first professional Canon camcorders to employ an MPEG-2, 4:2:2, 50Mbps recording codec. This enables outstanding imaging quality and delivers the data rate expected by many broadcasters for HD productions.

Support for industry standard MXF files, alternative recording modes, and compatibility with all major NLE software packages, ensures seamless integration with existing workflows.

#### **ERGONOMIC DESIGN**

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The XF range sets new standards in user-focused design. Each camcorder is perfectly balanced with the handgrip positioned close to the centre of gravity, ideal for shooting either handheld or setting up on tri pod. Control layout and menu system have been completely redesigned to make the XF range easy to use whether you're a novice or an experienced professional.

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#### THE XF RANGE

The XF300 and XF305 are ideally suited to freelance camera operators, broadcast professionals, filmmakers, electronic news gatherers, and creative industry professionals who will appreciate an affordable, forward thinking solution to their film-making needs.

START

XF305

The XF100 and XF105 offer a similar level of high quality recording thanks to an identical codec, but greater portability due to their smaller size and reduced weight. For example, they're great for "fly on the wall" footage and travel documentaries.

# Exceptional image quality

Unique Canon technologies and know-how enable the XF range to deliver a new benchmark in imaging performance for handheld camcorders. Native 1920x1080 Full HD image capture and 4:2:2 colour sampling enables exceptional detail and outstanding colour resolution.

#### MPEG-2 4:2:2 50Mbps MXF

#### MPEG-2 FULL HD (4:2:2) RECORDING CODEC

Offering a unique blend of broadcast image quality, workflow integration and versatility, these are the first Canon camcorders to utilise an MPEG-2, 4:2:2 recording codec. A 50Mbps data rate, the minimum requirement for many HD broadcast productions, guarantees high levels of image quality – whilst keeping file sizes manageable to reduce storage and archiving costs.

Canon have chosen to adopt the widely used, open-source Material eXchange Format (MXF) to ensure integration with existing workflows. The MXF file is a wrapper for the MPEG-2 data stored inside, but has the advantage of being able to support metadata, as well as video and audio.

Taking advantage of limitations in the human visual system, 4:2:2 colour sampling provides twice the vertical colour resolution of 4:2:0 (used in HDV and other codecs). This enables better gradation, finer detail, and smoother diagonals as well as helping to remove the threat of jagged edges, fringing and unwanted artefacts during chroma keying.

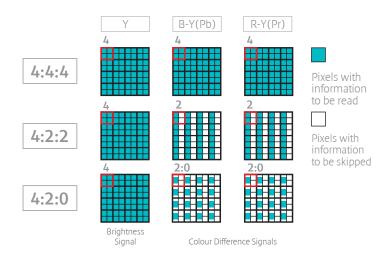


The XF Range uses non-proprietary CompactFlash (CF) memory cards. CF cards are fast, robust, widely available and relatively inexpensive enabling up to 160 minutes of 50Mbps footage to be stored on a single 64GB CF card.

Each camcorder includes two cards slots for continuous filming without interruptions. Archiving video or ingesting for editing is effortless, simply connect a camcorder or CF Card reader to a computer to transfer your files.

XF100 and XF105 camcorders offer double slot recording – recording on two cards simultaneously – for added security.

UDMA certified CF cards with a write speed of at least 40MB/s are recommended for all recording modes. Please refer to cpn.canon-europe.com for the latest information on card compatibility.



4:2:2 colour sampling stores twice as much colour information as 4:2:0.







#### CANON L-SERIES HD VIDEO LENS

Drawing on decades of lens innovation plus feedback from professional users, the XF300 and XF305 incorporate Canon's outstanding new L-Series HD Video lens. Delivering superb optical quality from the wide to tele ends of the zoom, its lightweight design makes it ideal for use in professional handheld devices. The zoom and focus rings have physical end stops when used in manual mode, for fast, repeatable operation. An independent iris ring allows control of aperture, while two rocker controls are available for manual zoom control.

Technology gleaned from Canon broadcast lenses – never seen before in a camcorder – helps minimise chromatic aberration. This High Index, Ultra-low Dispersion (Hi-UD) glass is placed at the front of the lens and combines with UD and UA elements to deliver exceptional levels of detail. The new L-series lens also incorporates glass ND filters for 1/4, 1/16 and 1/64 reductions in bright lighting conditions, and has a metal six-blade iris.

Offering superb optical capabilities but with a reduced zoom capacity, the XF100 and XF105 feature a fast, wide angle Canon HD Video Lens (F1.8, 30.4mm) with 10x optical zoom. IMAGE STABILIZER

#### IMAGE STABILISATION

Three Image Stabilisation modes are supported. Complementing Standard IS, a Dynamic IS is ideal for suppressing vibration while walking. The Powered IS function is used to steady images when shooting at full tele-photo, providing extremely strong shake correction for shots when the camcorder is stationary.



#### AUTOFOCUS MODES

Canon's unique Instant AF focusing system uses dual sensors to achieve ultra fast and accurate autofocus.

Face Detection enables immediate focusing with the added ability to select a face manually in scenes with more than one person. Sophisticated face tracking maintains focus even when subjects turn their heads.

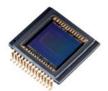


#### DIGIC DV III

Designed specifically for Canon HD camcorders, the next generation DIGIC DV III Image Processor ensures natural, lifelike colours with excellent black reproduction. Tonal gradations and shadow detail are captured with remarkable accuracy. The DIGIC DV III Image Processor enables Canon Face Detection, which is ideal for tracking a face in a crowd. Additionally, DIGIC DV III works to minimize power consumption, resulting in longer battery life.

#### **3CMOS** FULL HD CMOS

Newly developed for the XF range, Canon Full HD CMOS sensors provide native 1920x1080 image resolution with exceptional colour accuracy, a wide dynamic range and low noise. Slow and fast motion shooting is supported, and these sensors scan at twice normal speed, minimising the skew effect often associated with rolling shutters. The XF300 and XF305 incorporate 3 CMOS sensors for independent capture of RGB colour information. XF100 and XF105 include a single sensor with Bayer pattern filter.



# Compact yet extremely powerful



A host of innovative features and advanced recording capabilities are packed into these file-based devices. With a high resolution, user-friendly LCD and customisable external buttons, everything is designed with the user in mind.

#### **RECORDING VERSATILITY**

The XF range incorporates a number of alternative shooting modes for seamless workflow integration. As well as the 50Mbps data rate, 35Mbps and 25Mbps 4:2:0 recording modes enable simple compatibility with other HD workflows and equipment (eg. HDV).

#### **CREATIVE OPTIONS**

XF camcorders feature a range of Special Recording Modes to expand your creative vision.

#### **Relay recording**

Continuous recording is possible thanks to the dual card slots.

#### **Pre-record**

Continuously caches 3 seconds of content, appending it to the start of your video when recording begins. Never miss the crucial moment again.

#### Interval recording

Interval recording – or time lapse – can be used for unmanned shooting, for example the observation of daily weather patterns. A choice of 25 different intervals can be selected.

Recording Bit Rate	Colour Sampling	Image Resolution (16:9)	Frame Rates		
50Mbps; Constant Bit	4:2:2	1920x1080	50i/25p		
Rate (CBR)		1280x720	50p/25p		
35Mbps; Variable Bit Rate	4:2:0	1920x1080	50i/25p		
(VBR)		1280x720	50p/25p		
25Mbps; Constant Bit Rate (CBR)	4:2:0	1440x1080	50i/25p		

#### Slow and fast recording

Choose from a variety of frame rates – 12fps to 50fps – and immediately review footage on set at the correct speed.

#### **3D Shooting Assist**

XF105 and XF100 feature new 3D Shooting Assist functions – OIS Axis Shift and Focal Length Guide – to help you to precisely align two camcorders during stereoscopic 3D shooting.

#### **Infrared Shooting Mode**

XF105 and XF100 also include a new Infrared (IR) Shooting Mode. New lens coating provide twice the IR sensitivity of previous Canon professional camcorders.

EXTENSIVE	CUSTOMI	SATION

#### **Custom Picture**

Assume complete control over the look and feel of every shot. Custom Picture allows users to fine tune more than 90 image parameters, including Gamma, Knee, Colour Matrix, Saturation, Sharpness, Master Black, Skin Tone and more.

Up to six Custom Pictures can be saved in the camera, with three additional preset configurations provided.

#### C7 Video.C

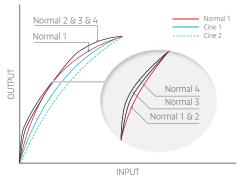
For playing back video on consumer flat-panel display. **C8 Cine.V** For achieving a film-like effect on TV monitor, such as when creating TV programs that require a film-like effect

when creating TV programs that require a film-like effect C9 Cine.F

For video that will be transferred to film

#### Gamma Curves

Six preset gamma curves are included in XF camcorders – an easy way to give footage the required 'look'.



										Reco	orde	d fra	me r	ate	(fps)							
			12	15	18	20	21	22	23	24	25	26	27	28	30	32	34	37	42	45	48	50
50Mbps	1920x1080	25p					YES										NO					
	1280x720	50p/25p										Y	ES									
35Mbps	1920x1080	25p		YES NO																		
	1280x720	50p/25p		YES																		
25Mbps	1440x1080	25p					YES										NO					



### CUSTOM FUNCTIONS, DISPLAY AND BUTTONS

In addition to fine-tuning image set-up, XF camcorder operation is also highly customisable.

Custom Functions can be used to configure selected controls, for example iris ring direction, and Custom Display allows precise control of information shown on the LCD screen. One of 30+ functions can be assigned to 13 and 10 buttons respectively on the XF300- and XF100-series bodies.

#### STORE CAMERA SETTINGS

All user-specific configurations (Custom Picture, Function, Display and Buttons) can be saved to SD memory card and transferred to other XF camcorders – ideal for matching a particular visual style or ensuring multiple cameras have the same set-up.\* Up to 20 Custom Picture configurations can be saved to one SD card.

#### **REFINED ERGONOMICS AND DESIGN**

The XF305 and XF300 are designed from the ground up to maximise shooting comfort and usability. New users and users switching from other products will find the button layout, camera menu system and camera controls familiar and easy to use out of the box. The well balanced design allows the operator to comfortably contol the camera and easily maintain a steady shot while minimising arm fatigue.

#### EASY OPERATION

#### **High resolution LCD**

Every XF camcorder features a high resolution LCD to help set up each shot. The XF300 / XF305 models utilise a 10.1cm screen with a superior resolution of 1.2M dots for unparalleled clarity. This foldout LCD panel is positioned towards the front of the camcorders, underneath the carry handle.

It can be swivelled to the left or right for maximum flexibility in all shooting scenarios. The panel is also rotatable and can be angled 35 degrees further forward – ideal when operators are unable to position themselves directly behind the camcorder.

The more compact XF100 and XF105 models incorporate a side-mounted 8.8cm LCD with 960k dot resolution.

#### Waveform monitor

A built-in Waveform Monitor (WFM) provides an analysis of image brightness to help set up your shot. Alternatively an RGB Pareto chart can be used to display the relative brightness of red, green and blue components.

#### Vectorscope

The built-in vectorscope aids hue and saturation balancing as well as offering an additional check for white balance configuration (XF300-series only).

#### **Edge Focus**

The Edge Focus function uses the WFM for fine-tuning focus – the larger the peaks on the display, the more sharply edges are in focus.

#### **Image inversion**

This enables captured images to be 'flipped' horizontally or vertically – ideal for creating filmic footage using 35mm lens adaptors.



### XF300 XF305

#### The quality standard

The perfect blend of image quality, connectivity, user customisation, straightforward workflow and wide-ranging editing features, mark the XF305 and XF300 out as the latest quality benchmark.

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#### **Highly versatile**

Portable and mobile, the XF305 and XF300 offer shoulder mounted production credentials in a hand-held device. The broad feature set and adaptability of these camcorders allows users to shoot in almost any situation and for any given purpose, from independent filmmaking to commercial broadcast.

#### FEATURES

- Records MPEG-2 MXF files to CF Cards at up to 50Mbps (4:2:2 colour sampling)
- Comprehensive NLE support; Canon file management utility supplied
- 18x wide angle Canon L-series lens, with low dispersion and wide aperture (F1.6 max)
- 3 x 1/3 type Full HD (1920 x 1080) Canon CMOS sensors
- 10.1 cm LCD (1.23M dots) with focus assist and waveform monitor; 1.3 cm (1.55M dots) EVF (100% view)

- Variable frame rate recording (12-50 fps)
- DIGIC DV III image processor
- HD-SDI, SDI and TimeCode output, Genlock input (XF305 only)
- Independent audio control with XLR inputs
- Extensive customisation: 30 functions assignable to 13 buttons
- Canon Professional Services
   video support

#### 1 CANON L-SERIES VIDEO LENS

A newly-developed L-series Video Lens incorporates glass never seen before in a professional camcorder providing outstanding image resolution.

#### 2 CONTROL RINGS

Three separate rings on the lens barrel offer independent operation of Focus, Zoom and Iris. End stops on the Focus and Zoom rings offer precise, predictable manual control. Glass ND filters for 1/4, 1/16 and 1/64 reductions in bright lighting conditions are included.

#### **3** SHOOTING CONTROLS

An extensive array of dedicated manual controls are at your fingertips, from Focus Assist tools to white balance, gain and lens set-up.

#### A CANON FULL HD 3CMOS SYSTEM

Using new Canon Full HD CMOS sensors, a 3CMOS array provides exceptional colour performance, low noise and high dynamic range.

#### 5 INTELLIGENT BATTERY

The intelligent battery features a 'fuel gauge' display that indicates remaining charge – even when the battery is not in the camcorder.

#### **6** ELECTRONIC VIEWFINDER

Offering 100% coverage, a 1.3 cm (0.52") 1.55M dot resolution EVF allows operators to monitor picture quality accurately.

#### 7 LCD SCREEN

The 1.2M dot resolution 10.1 cm (4") LCD screen can be positioned either side of the camera – for maximum flexibility during shooting and review.

#### 8 PROFESSIONAL AUDIO

Two XLR inputs and a built-in microphone can be used in any combination to capture 16-bit linear PCM audio. Manual level controls are located at the rear of the camera.



The XF100 series offers outstanding image quality in a compact, versatile package, thanks to a broadcast-standard codec.

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### XF100 XF105

#### Lightweight and compact

Delivering the incredible capabilities of Canon's XF300 series, the XF100 and XF105 are designed for professionals seeking broadcast quality production from a lightweight, versatile palm-sized video camera.

#### Small but powerful

XF100 and XF105 are the first compact video cameras to feature a 50Mbps, 4:2:2 MPEG-2 codec. Packed with shooting features and customisation options, they are designed for seamless integration into all sorts of projects and workflows from education to broadcast.

#### FEATURES

- Records MPEG-2 MXF files to two CF cards at up to 50Mbps (4:2:2 colour, simultaneous recording possible)
- Lightweight palm-sized design; pro audio functions include handlemounted XLR inputs
- 10x zoom Canon HD Video Lens (30.4mm, f1.8), with control ring and 8-blade iris
- 1/3 type Full HD Canon CMOS sensor
- HD-SDI, Timecode, Genlock terminals and 3D Assist Functions

• 8.8cm (3.5"),, 920k dot LCD with waveform monitor; 0.6cm (0.24"), 260k dot EVF

- · Variable frame rate recording
- Infrared shooting mode, with built-in IR lamp
- Extensive customisation: 34 functions assignable to 10 buttons
- Canon Professional Services
   video support
- Canon XF Utility and NLE plug-ins supplied



#### 1 CANON HD VIDEO LENS

A fast, 30.4 mm wide angle F1.8 lens with a 10 x optical zoom delivers outstanding quality images. A 1.5x/3x/6x digital teleconverter is also available.

#### 2 LENS RING CONTROL

A single lens ring offers precise control. Focus, zoom or iris can be selected via a 3-way switch.

#### **3** SHOOTING CONTROLS

Key shooting functions such as gain and shutter speed are easily accessed, despite the small size of these camcorders.

#### CANON FULL HD CMOS

The single 1/3-type 2.07MP sensor is an adaptation of the high performance sensors used in the XF300-series. Featuring a Bayer pattern filter, it provides superb colour reproduction, high sensitivity and wide dynamic range.

#### **5** INTELLIGENT BATTERY

**XF105** includes additional studio connectivity:

 HD/SD-SDI output
 Time code/Genlock terminal (switchable)

The intelligent battery features a 'fuel gauge' display that indicates remaining charge – even when the battery is not in the camcorder.

6 ELECTRONIC VIEWFINDER Offering 100% coverage, a 0.6 cm (0.24") 0.26 M dot resolution EVF allows operators to monitor picture quality accurately.

#### 7 LCD SCREEN

The 960k dot resolution, 8.8cm LCD screen is mounted on the side of the camcorder and can be rotated to face the subject.

#### 8 PROFESSIONAL AUDIO

Two XLR inputs, a mic jack or built-in microphone can be used to capture 16-bit linear PCM audio. Manual controls are conveniently located on the top handle.

#### **9** INFARED SHOOTING MODE

A manual switch activates infrared mode. Green or white light options can be selected, according to the style required.

#### 10 3D SHOOTING ASSIST

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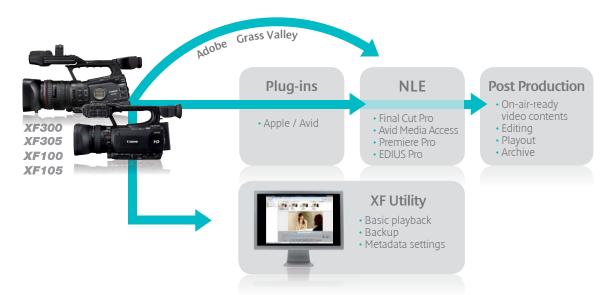
**ID** 

(...))

3D Shooting Assist modes are accessed and configured using the LCD screen and joystick interface.

# Seamless software integration

All XF camcorders are supplied with Canon's XF Utility software for simple clip management, and plug-ins for Apple Final Cut Pro and Avid Media Access.With industry standard MXF files, CompactFlash and a variety of shooting modes, the XF range is designed for seamless integration with major file-based workflows.



#### **XF UTILITY**

This easy to use software is designed to allow management of recorded clips where full-blown NLE software isn't required. Both Mac and Windows versions are supplied.

#### **Key features**

- Back-up CF card contents (entire card)
- Transfer selected clips from CF card to computer
- Playback clips in Full HD resolution
- Edit selected metadata fields
- Add 'shot marks'
- Copy clips back to CF card

#### NLE SOFTWARE COMPATIBILITY

Canon MPEG-2 MXF files are supported by major NLE software manufacturers, including Apple, Avid, Adobe and Grass Valley.

Plug-ins for Adobe and Grass Valley software are not supplied, but Canon MXF files are supported by these vendors.

The following table details compatibility of Canon MXF files with major NLE software.

For the latest information on software compatibility visit cpn.canon-europe.com

#### XF Utility System Requirements

	РС	MAC
OS	Windows XP SP2, SP3 (32-bit only); Windows Vista SP1, SP2 (32-bit or 64-bit); Windows 7 (32-bit or 64-bit)	Mac OS X 10.4; Mac OS X 10.5 Leopard; Mac OS X 10.6 Snow Leopard;
СРО	Intel Core series equivalent; Intel Core 2 Duo 2.66 GHz or higher recommended; SSE2 compatible processor required	Intel processor; Intel Core 2 Duo 2.66 GHz or higher recommended; Not compatible with PowerPC processors
RAM	1GB or more; (2GB or more required for 64-bit Windows 7)	1GB or more
Hard Disk Space	80 MB	or more
Display	1024 x 768; 16-bit colour (High Colour) or better	1024 x 768; 332,000 colours or better
Languages		apanese/English Italian / Spanish / Russian / Chinese (simplified)

#### NLE Compatibility table

NLE Name	Version					
Final Cut Pro (Mac)	6.0.3 or later					
Final Cut Pro (Mac)	7.0 or later					
Avid Media Access-	Avid Media Composer 4.0.5 or later					
compatible applications (Windows and Mac)	NewsCutter 8.0.5 or later					
Premiere Pro (Windows)	CS5					
Premiere Pro (Mac)	CS5					
EDIUS Pro	5.5					



#### CANON PROFESSIONAL SERVICES VIDEO

For complete peace of mind, the XF range is provided with our outstanding CPS Video support package.

#### **Benefits:**

- 6 day repair turnaround
- Loan camcorder provided by Canon for repairs exceeding 6 business days
- Priority email support
- Priority phone support

For more information on Canon Professional Services and to apply for CPS Video membership please visit www.canon-europe.com/cps

# Accessories



Battery Pack BP-975



Wide Converter WD-H58W



Tele Converter TL-H58



Video Light VL-10Li II

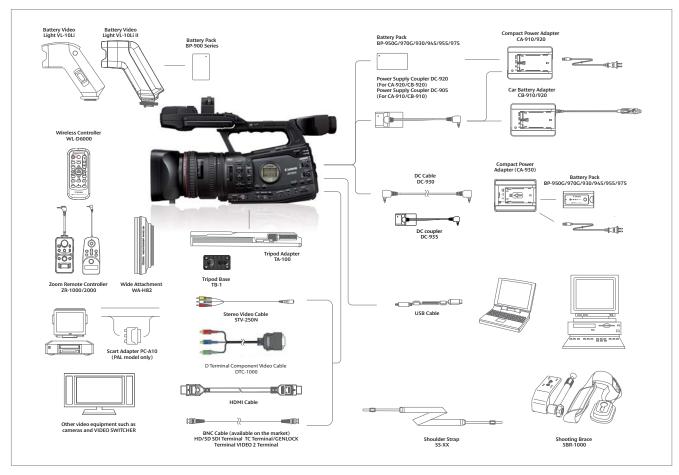


Zoom Remote Control ZR-2000

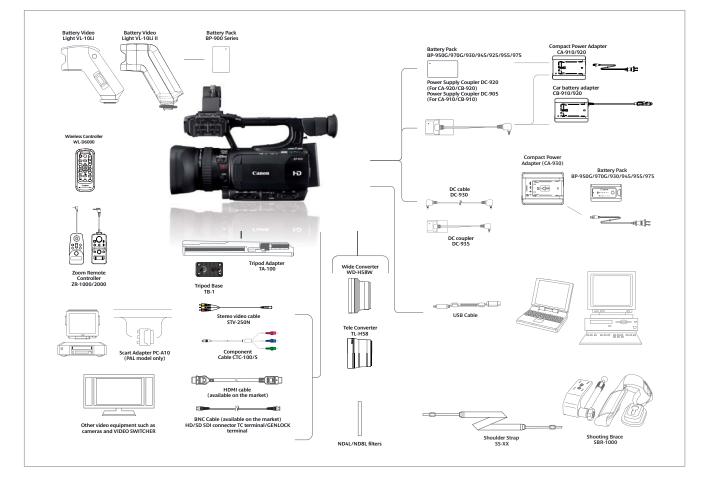
	XF305 / XF300	XF105 / XF100
BATTERY PACK	XF3037 XF300	XF1037 XF100
BP-930 / 945 / 950G / 970G	1	
950G / 970G BP-925		•
BP-955 BP-975		
-	<b>v</b>	~
BATTERY CHARGER		
CA-920		
CA-930	<i></i>	<i>✓</i>
DC COUPLERS		
DC-920	<i></i>	1
DC-930	✓	1
DC-935	<ul> <li>Image: A second s</li></ul>	1
DUAL BATTERY CHA	RGER	
CH-910	1	1
CAR BATTERY CHAR	GER	
CB-920	<ul> <li>Image: A second s</li></ul>	1
WIDE ANGLE CONV	ERTER	
WA-H82	1	
WD-H58W		1
FILTER SET		
EOS 58mm filters		1
TELE CONVERTER		
TL-H58		1
VIDEO LIGHT		
VL-10Li (requires BP-9XX series battery)	✓	<ul> <li>Image: A second s</li></ul>
VL-10Li II (requires BP-9XX series battery)	1	<ul> <li>Image: A start of the start of</li></ul>
REMOTE ZOOM CON		
ZR-2000	1	1
ZR-1000	1	1
CABLES		· · · · · · · · · · · · · · · · · · ·
DTC-1000	1	
CTC-100		1
CTC-100/S		-
STV-250N	1	1
TRIPOD ADAPTOR		
TA-100		
TB-1	1	· · ·
		• 
SHOOTING BRACE	1	
JBR-1000	✓	✓

# System Chart

### XF305 XF300



XF105 XF100



# Specifications

#### XF305 XF300 XF105 XF100

#### XF305 XF300 XF105 XF100

Sensor	1/3 type 3CMOS		EVF Size	1.3cm (0.52")	0.61cm (0.24")
System	RGB Prism	1/3 type CMOS Bayer pattern filter	Dots	1.55 million	260000
Total pixels per sensor	2.37 megapixels	2.37 megapixels	Image quality	Brightness, contrast, colour, sharpness,	Brightness, contrast, colour, backlight,
Effective pixels per sensor	2.07 megapixels	2.07 megapixels	adjustments Adjustable	backlight, black & white Vertical tilt	black & white Vertical tilt
Minimum illumination	Full Auto (21dB gain), 50i/25p: 3.8 lux / 3.3 lux		Correction lens	+ 2.0 to -5.5 diopters	+ 2.0 to -5.5 diopter
	Manual mode (33dB gain), 50i/25p:				
	0.06 lux / 0.05 lux		INPUTS/OUTPUTS		
Horizontal Resolution	1000 TV lines or more (1920 x 1080i mode)	900 TV lines or more (1920 x 1080i mode)	Audio in	XLR inputs with 48V phantom power x 2	XLR inputs with 48V phantom power (x2); 3.5mm mic input jack
LENS			Headphone output	3.5mm stereo jack	3.5mm stereo jack
Zoom ratio	18x	10x	Video monitor output	YES (BNC, composite Standard Definition	NO
Focal length	4.1 - 73.8mm (35mm equivalent: 29.3 - 527.4mm)	4.25 - 42.5mm (35mm equivalent: 30.4 - 304mm)	HDMI	video, output only) YES (Type A, output only)	YES (Type A, output only)
Minimum focus distance	1m; 20mm (MACRO)	60cm (throughout zoom range); 20mm	IEEE 1394 (Firewire)	NO	NO
		(MACRO)	USB	YES (Mini-B, USB 2.0 Hi-Speed, output	YES (Mini-B, USB 2.0 Hi-Speed, output
ND filter	3 glass filters: 1/4, 1/16, 1/64	Built-in gradation filter (Auto or Off)	HD/SD-SDI output	only) YES (BNC, output only, embedded audio	only) YES (BNC, output only, embedded audio
Zoom control	Ring, Rocker or Handle	Ring, Rocker or Handle; Selectable Shockless Zoom mode	10/30-30/04/04	and time code, XF305 only)	and time code, XF105 only)
Zoom speed	Zoom Rocker: Variable speed/Fixed	Zoom Rocker: Variable speed/Fixed	Time code	YES (BNC, switchable input/output, XF305 only)	YES (BNC, switchable input/output, same terminal used for Genlock, XF105 only)
	speed (Fast/Normal/Slow, 16 speed level settings available in each mode);	speed (Fast/Normal/Slow, 16 speed level settings available in each mode);	Genlock	YES (BNC, input only, XF305 only)	YES (BNC, input only, same terminal used
	Handle zoom: Fixed speed (Fast/Normal/ Slow, 16 speed level settings available in	Handle zoom: Fixed speed (Fast/Normal/ Slow, 16 speed level settings available in			for Time code, XF105 only)
	each mode)	each mode)	Component out	YES (D connector, output only)	YES (output only)
Focus control	Manual ring or automatic (Instant AF, TV AF or Face Detection AF)	Ring control or automatic (Instant AF, Medium AF, TV AF, Face Detection AF,	AV terminal	3.5mm mini jack (output only for video and audio)	3.5mm mini jack (output only for video and audio)
	/ office Detection (1)	Face Only AF)	DC input	YES	YES
Iris control	Manual ring; Full Auto; Push Auto Iris	Ring control; Custom dial control; Full Auto	Remote Control Terminal	2.5mm mini jack	2.5mm mini jack
Aperture range	f1.6 - f22	f1.8 - f22	Colour Bars	Type 1/Type 2 (EBU/SMPTE)	Type 1/Type 2 (EBU/SMPTE)
Filter diameter	82mm	58mm	MISC		
Lens elements/groups	17/14	12/10	Tally lamp	YES (x2)	YES (x2)
Image stabilization system	Optical lens shift system (angle & vector movement detection); 3 modes: Dynamic,	Optical lens shift system (angle & vector movement detection): 3 modes:	Accessory shoe	YES (cold shoe)	YES (cold shoe)
5,560.00	Standard, Powered	Dynamic, Standard, Powered	Custom key	YES (13 assignable buttons; select from	YES (10 assignable buttons; select from 34 functions)
Digital zoom	1.5X	1.5х; 3х; бх	Custom Dial	30 functions)	YES (Iris, teleconverter, headphone
IMAGE PROCESSOR					volume, Face AF, IR Lamp control)
Type	DIGIC DV III	DIGIC DV III	EVPOCUPE		
51	1	1	EXPOSURE Exposure metering	Standard (centre weighted), Spotlight,	Standard (centre weighted), Spotlight,
RECORDING				Backlight	Backlight
Video storage media	Type 1 Compact Flash memory cards (2 card slots)	Type 1 Compact Flash memory cards (2 card slots); Double slot (simultaneous)	Exposure range	50 - 100,000 lux	50 - 100,000 lux
		recording possible.	Exposure compensation Auto Exposure mode	-2 to +2 EV (13 steps) Full Auto	-2 to +2 EV (13 steps) Full Auto
Туре	UDMA4, 30MB/s or faster (40MB/s or faster for Fast/Slow recording)	UDMA4, 30MB/s or faster (40MB/s or faster for Fast/Slow recording)	Push Auto Iris	Yes	No
Recording time	32GB CF card: Up to 80mins (1080/50i	32GB CF card: Up to 80mins (1080/50i	Auto Gain Control setting	Full Auto / AGC On / Manual	Full Auto / AGC On / Manual
	@ 50 Mbps)	@ 50 Mbps)	Auto Gain Control limit	3dB; 6dB; 9dB; 12dB; 15dB; 18dB;	3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB
Recording file format Recording format	Material eXchange Format (MXF) MPEG-2 Long GOP	Material eXchange Format (MXF) MPEG-2 Long GOP	Gain setting	(OFF/21 dB) Assignable L, M, H switch positions (-6dB	(OFF/24dB) Assignable L, M, H settings (-6dB / -3dB
Recording format	50Mbps CBR (4:2:2) MPEG-2 422@HI :	50Mbps CBR (4:2:2) MPEG-2 422@HL;	dan setting	/ -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB /	/ 0dB/ 3dB / 6dB/ 12dB / 18dB / 24dB
				21dB / 33dB / TUNE (0.5 dB increments	/ 33dB / TUNE (0.5 dB increments from 0 to 24 dB)
	35Mbps VBR (4:2:0) MPEG-2 MP@HL;	35Mbps VBR (4:2:0) MPEG-2 MP@HL;		from 0 to 21 dB))	0 (0 24 00)
Recording frame rate	35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 50Mbps: 1920 x 1080/50i, 25p; 1280 x	35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 50Mbps: 1920 x 1080/50i 25p: 1280 x		from 0 to 21 dB))	0 (0 24 00)
Recording frame rate	35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 50Mbps: 1920 x 1080/50i, 25p; 1280 x	35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 50Mbps: 1920 x 1080/50i 25p: 1280 x	SHUTTER SPEED	1	· ·
Recording frame rate	35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p;	35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p;	SHUTTER SPEED Control Modes	from 0 to 21 dB)) 3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed;	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow
-	35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p		3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter	Full Auto / Manual joystick control (Auto;
Recording frame rate Slow/Fast motion	35Mbps VBR (4:2:0) MPEG-2 MPGHL; 25Mbps CBR (4:2:0) MPEG-2 MPGHL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES.	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES.	Control Modes	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS))	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)
-	35Mbps VBR (4:2:0) MPEG-2 MPGHL 25Mbps CBR (4:2:0) MPEG-2 MPGHL 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45,	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1420 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45,		3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow
-	35Mbps VBR (4:2:0) MPEG-2 MPGHL; 25Mbps CBR (4:2:0) MPEG-2 MPGHL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 49, 50tps	35Mbps VBR (4-2:0) MPEC-2 MP@HL; 25Mbps CBR (4-2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps	Control Modes Shutter speed	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS): Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on
Slow/Fast motion	35Mbps VBR (4:2:0) MPEG-2 MPGHL 25Mbps CBR (4:2:0) MPEG-2 MPGHL 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 32, 42, 25fps	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1420 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps	Control Modes Shutter speed Shutter Angle	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25	Full Auto / Manual joystick control (Auto; Speed, Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.259 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on frame rate)
Slow/Fast motion	35Mbps VBR (4:2:0) MPEG-2 MPGHL; 25Mbps CBR (4:2:0) MPEG-2 MPGHL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 32, 44, 55fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25ps	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS)	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS) 1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS): Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on
Slow/Fast motion	35Mbps VBR (4:2:0) MPEG-2 MPGHL 25Mbps CBR (4:2:0) MPEG-2 MPGHL 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 725Mbps: 1440 x1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan	3 position switch: OFF (Full Auto:) / ON / SEL (Auto: Speed; Angle: Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 S0i/p: 50 to 251.15Hz; 25p: 25 to	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on frame rate) 50/p: 50 to 251.15Hz; 25p: 25 to
Slow/Fast motion Interval Record Frame Record	35Mbps VBR (4:2:0) MPEG-2 MPGHL; 25Mbps CBR (4:2:0) MPEG-2 MPGHL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 32, 44, 55fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25ps	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE	3 position switch: OFF (Full Auto; ) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1//18 to 1/2000 depending on frame rate 11.25 vto 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 S0i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 13, 1/6, 1/12, 1/25 (depending on frame rate) Sol/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse	35Mbps VBR (4:2:0) MPEG-2 MPGHL; 25Mbps CBR (4:2:0) MPEG-2 MPGHL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 720/50p, 25p; 720p: 12, 15, 18, 20, 21, 22, 23, 24, 45, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 3 econds) YES. Up/down, left/right image inversion	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 720m; 12, 25p, 1080/50i, 25p YES. 720m; 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES (3 seconds) YES. Up/down, left/right, up/down/left/right image inversion	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 vto 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 50i/p; 50 to 251.15Hz; 25p; 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten),	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25 vto 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mps CBR (4:2:0) MPEG-2 MP6HL4 50Mps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50jps YES. 20, 21, 21, 30, 32, 34, 37, 42, 45, 44, 50jps YES. 20, 21, 21, 51, 82, 20, 21, 22, 23, 24, 25ps YES. 2, 6 or 12 frames, 25 time intervals YES. 4, 6 or 12 frames YES. 4, 6 or 12 frames YES. 4, 6 or 12 frames YES. Up/down, left/right image inversion SD/SDHC memory card	35Mbps VBR (4-2:0) MPEC-2 MP@HL; 25Mbps CBR (4-2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES; 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES; 2, 6 or 12 frames; 25 time intervals YES; 2, 6 or 12 frames; 25 time intervals YES; 3, 6 or 12 frames; 25 time intervals YES; 3, 6 or 12 frames; 25 time intervals YES; 3, 6 or 12 frames; 35 time intervals YES; 32, 6 or 12 frame; 35 time;	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto	3 position switch: OFF (Full Auto: ) / ON / SEL (Auto: Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25º to 360º depending on frame rate 1/3, 1/6, 1/12, 1/25 S0i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25° to 36°0 depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on frame rate) 50/i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse	35Mpps VBR (4:2:0) MPEG-2 MPGHL; 25Mpps CBR (4:2:0) MPEG-2 MPGHL4 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p 720p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 2, 7 frames Y	35Mbps VBR (4-2:0) MPEC-2 MP@HL; 25Mbps CBR (4-2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES (3 seconds) YES. Up/down, left/right, up/down/left	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 vto 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 50i/p; 50 to 251.15Hz; 25p; 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten),	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25 vto 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mps CBR (4:2:0) MPEG-2 MP6HL4 50Mps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50jps YES. 20, 21, 21, 30, 32, 34, 37, 42, 45, 44, 50jps YES. 20, 21, 21, 51, 82, 20, 21, 22, 23, 24, 25ps YES. 2, 6 or 12 frames, 25 time intervals YES. 4, 6 or 12 frames YES. 4, 6 or 12 frames YES. 4, 6 or 12 frames YES. Up/down, left/right image inversion SD/SDHC memory card	35Mbps VBR (4-2:0) MPEC-2 MP@HL; 25Mbps CBR (4-2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES; 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES; 2, 6 or 12 frames; 25 time intervals YES; 2, 6 or 12 frames; 25 time intervals YES; 3, 6 or 12 frames; 25 time intervals YES; 3, 6 or 12 frames; 25 time intervals YES; 3, 6 or 12 frames; 35 time intervals YES; 32, 6 or 12 frame; 35 time;	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360º depending on frame rate 1/3, 1/6, 1/12, 1/25 S0i/p; S0 to 251.15Hz; 25p; 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25 vto 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality LCD	35Mpps VBR (4:2:0) MPEG-2 MPGHL; 25Mpps CBR (4:2:0) MPEG-2 MPGHL4 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p 720p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 2, 7 frames Y	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES (3 seconds) YES. Up/down, left/right, up/down/left/right, up/down/left/right up/down/	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 S0i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25 vto 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality LCD Size	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL4 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 3 e or 12 frames YES. 3 e or 12 frames YES. 4 or 12	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. (3 seconds) YES. Up/down,left/right, up/down/left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 8.8cm (3.5°)	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 50i/p; 50 to 251.15Hz; 25p; 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings	Full Auto / Manual joystick control (Auto;         Speed: Angle; Clear Scan (CS); Slow         Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate         11.25º to 360º depending on frame rate         13.1/6, 1/12, 1/25 (depending on frame rate         13.1/6, 1/12, 1/25 (depending on frame rate         13.1/6, 1012, 1/25 (depending on frame rate)         50//p: S0 to 251.15Hz; 25p: 25 to         251.15Hz         YES         A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM         Audio limiter, Auto/manual settings via control dais on handle
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality LCD Size Dots	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mps CBR (4:2:0) MPEG-2 MP6HL4 50Mps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 45, 44, 50ps (48, 50ps) YES. 2, 6 ar 12 frames, 25 time intervals YES. 2, 6 ar 12 frames YES. 4 a for 12 frames YES. 4 a for 12 frames YES. 4 a for 12 frames YES. Up/down, left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720	35Mbps VBR (4-2:0) MPEC-2 MR@HL; 25Mbps CBR (4-2:0) MPEC-2 MR@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 7 or 12 frames, 25 time intervals YES. 2, 7 or 12 frames, 25 time intervals YES. 2, 7 or 12 frame, 25 time intervals YES. 2, 7 or 12 frame, 25 time intervals YES. 2, 7 or 12 frame, 25 time intervals YES. 2, 6 or 12 frame, 25 time intervals YES.	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 3600 depending on frame rate 1/3, 1/6, 1/12, 1/25 Soli/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25º to 360º depending on frame rate 13, 1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES         A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality LCD Size	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL4 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 3 e or 12 frames YES. 3 e or 12 frames YES. 4 or 12	35Mbps VBR (4:2:0) MPEC-2 MP@HL; 25Mbps CBR (4:2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. (3 seconds) YES. Up/down,left/right, up/down/left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 8.8cm (3.5°)	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 50i/p; 50 to 251.15Hz; 25p; 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings	Full Auto / Manual joystick control (Auto;         Speed: Angle; Clear Scan (CS); Slow         Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate         11.25º to 360º depending on frame rate         13.1/6, 1/12, 1/25 (depending on frame rate         13.1/6, 1/12, 1/25 (depending on frame rate         13.1/6, 1012, 1/25 (depending on frame rate)         50//p: S0 to 251.15Hz; 25p: 25 to         251.15Hz         YES         A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM         Audio limiter, Auto/manual settings via control dais on handle
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality LCD Size Dots Image quality	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL4 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 2, 7 down, left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720	35Mbps VBR (4:2:0) MPEC-2 MR@HL; 25Mbps CBR (4:2:0) MPEC-2 MR@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 2, 7 or 12 frames YES. 2, 7 or 12 frames YES. 2, 6 or 12 frames YES. 2, 7 or 12 frames YES. 2, 8 or 12 frames YES. 2, 6 or 12 frames YES. 2, 7 or 12 frames YES. 2, 8 or 12 frames YES. 2, 9 or 12 frame	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone level meter	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 3600 depending on frame rate 1/3, 1/6, 1/12, 1/25 Soli/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25º to 360º depending on frame rate 13, 1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES         A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality LCD Size Dots Size Dots Jumage quality adjustments Adjustable	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL4 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 4 or 12 frames YES. 4 or 12 frames YES. 4 or 12 frames YES. Up/down, left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During yideo recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable	35Mbps VBR (4:2:0) MPEC-2 MR@HL; 25Mbps CBR (4:2:0) MPEC-2 MR@HL; 50Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50i, 25p; 1280 x 720/50p, 25p; 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 4, 7 or 12 frames YES	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 3600 depending on frame rate 1/3, 1/6, 1/12, 1/25 Soli/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25º to 360º depending on frame rate 13, 1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES         A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality LCD Size Dots Image quality adjustments	35Mbps VBR (4:2:0) MPEG-2 MPGHL; 25Mbps CBR (4:2:0) MPEG-2 MPGHL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES (3 seconds) YES. Up/down, left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 10.1 cm (4") 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white	35Mbps VBR (4:2:0) MPEC-2 MR@HL; 25Mbps CBR (4:2:0) MPEC-2 MR@HL; 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. Up/down.left/right, up/down.left/right, 1920 x 1080; During video recording: 1920	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone attenuation Microphone attenuation Microphone attenuation Microphone steppy Power Consumption	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 11.3, 1/6, 1/12, 1/25 50i/p; 50 to 251.15Hz; 25p; 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES YES Lithium coin battery (built-in) 9.1 W2 (XF305) / 7.3 W3 (XF300)	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality Still quality LCD Size Dots Image quality adjustments Adjustable Waveform Monitor Focus Assist	35Mbps VBR (4:2:0) MPEG-2 MP6HL; 25Mbps CBR (4:2:0) MPEG-2 MP6HL4 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p; 720; 720; 720; 720; 720; 720; 720; 720;	35Mbps VBR (4:2:0) MPEC-2 MR@HL; 25Mbps CBR (4:2:0) MPEC-2 MR@HL; 50Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p 35Mbps: 1920 x1080/50i, 25p; 1280 x 720/50p, 25p 25Mbps: 1440 x1080/50i, 25p; 1280 x 720/50p, 25p 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 2, 70 volume, left/right, up/down/left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 8.8cm (3.5°) 920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal aus) Waveform Monitor Peaking: Magnifying; Edge Monitor (using waveform display)	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone level meter BATTERY Backup power supply	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 3600 depending on frame rate 1/3, 1/6, 1/12, 1/25 Soli/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES YES Lithium coin battery (built-in) 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied BP-955: Approx. 260 mins <sup>1</sup>	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality Still quality LCD Size Dots Image quality adjustments Adjustable Waveform Monitor	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL4 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p; 720p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps YES. 2, 6, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 12, 6 or 12 frames YES. 12	35Mbps VBR (4-2:0) MPEC-2 MP@HL; 25Mbps CBR (4-2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES (3 seconds) YES (4 s	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone attenuation Microphone attenuation Microphone attenuation Microphone steppy Power Consumption	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 Soli/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES YES Lithium coin battery (built-in) 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied BP-955: Approx. 260 mins <sup>1</sup> (XF305)/295 mins <sup>2</sup> (XF300) Optional BP-975: Approx. 405 mins <sup>1</sup> (XF305)/450	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality Still quality LCD Size Dots Image quality adjustments Adjustable Waveform Monitor Focus Assist	35Mps VBR (4:2:0) MPEG-2 MP6HL; 25Mps CBR (4:2:0) MPEG-2 MP6HL 50Mps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p YES. 720p; 12, 15, 18, 20, 21, 22, 23, 24, 45, 50fps YES. 2, 6, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. Up/down, left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable Waveform Monitor and Vectorscope Peaking, Nagnifying: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequeny customisable for each) Level 1; Level 2; Both	35Mbps VBR (4:2:0) MPEC-2 MR@HL; 25Mbps CBR (4:2:0) MPEC-2 MR@HL; 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p; 720 yr 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 2, 7 Or 20 frames YES. 20 frames YES. 2, 7 Or 20 frames YES. 20 f	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone attenuation Microphone attenuation Microphone attenuation Microphone steppy Power Consumption	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 12.5 to 360° depending on frame rate 13.5 to 360° depending on frame rate 14.5 to 360° depending on frame rate 15.5 to 251.15Hz YES VES VES VES Lithium coin battery (built-in) 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied BP-955; Approx. 260 mins <sup>1</sup> (XF305) / 7.3 W3 (XF300) Potional	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality ECD Size Dots Dots Dots Dots Adjustments Ad	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1240 x 1080/50i, 25p 720p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps 765, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps 765, 27, 20, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p; 12, 15, 18, 20, 21, 22, 23, 24, 25fps 765, 27, 40, 40, 12 frames, 25 time intervals YES, 2, 6 or 12 frames YES, 0, 6 or 12 frames YES, 0, 70, 200, 1280 x 720 70, 10, 10, 10, 10, 10, 10, 10, 10, 1280 x 720 10, 1 cm (4*) 1, 23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable Waveform Monitor and Vectorscope Peaking, YaqanijYing: Edge Monitor (using waveform Monitor and Vectorscope Peaking, YaqanijYing: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both Ourput via HoSD (XF305) or HDMI	35Mbps VBR (4-2:0) MPEC-2 MP@HL; 25Mbps CBR (4-2:0) MPEC-2 MP@HL4 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 27 time intervals YES. 2, 6 or 12 frames, 27 time intervals YES. 20/down, left/right, up/down/left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 8.8cm (3.5°) 920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal axis) Waveform Monitor Peaking 1, eaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both; Ourput via Ho-SDI (XF105) or HDMI	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone attenuation Microphone level meter Bactup power supply Power Consumption Continuous Recording	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 Soli/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES YES Lithium coin battery (built-in) 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied BP-955: Approx. 260 mins <sup>1</sup> (XF305)/295 mins <sup>2</sup> (XF300) Optional BP-975: Approx. 405 mins <sup>1</sup> (XF305)/450	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality Still quality LCD Size Dots Size Dots Adjustable Waveform Monitor Focus Assist Peaking	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p; 128 Mps; 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 45, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. Up/down, left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable Waveform Monitor and Vectorscope Peaking; Nagnifying: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequeny customisable for each) Level 1; Level 2; Both	35Mbps VBR (4:2:0) MPEC-2 MR@HL; 25Mbps CBR (4:2:0) MPEC-2 MR@HL; 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p; 720 yr 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 2, 7 Or 20 frames YES. 20 frames YES. 2, 7 Or 20 frames YES. 20 f	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone level meter Backup power supply Power Consumption Continuous Recording	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 12.5 to 360° depending on frame rate 13.5 to 360° depending on frame rate 14.5 to 360° depending on frame rate 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES YES Lithium coin battery (built-in) 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied BP-955: Approx. 260 mins <sup>1</sup> (XF305) / 75 opprox. 405 mins <sup>1</sup> (XF300) Jetonal BP-975: Approx. 405 mins <sup>1</sup> (XF300)	Full Auto / Manual joystick control (Auto;         Speed: Angle; Clear Scan (CS); Slow         Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate         11.25º to 360º depending on frame rate         13.1/6, 1/12, 1/25 (depending on frame rate         13.1/6, 1/12, 1/25 (depending on frame rate         13.1/6, 1012, 1/25 (depending on frame rate         14, by Depending on frame rate         15.0/p; 50 to 251.15Hz; 25p; 25 to         251.15Hz         YES         16-bit 2ch (48 kHz) linear PCM         Audio limiter, Auto/manual settings via control dials on handle         YES         YES         Lithium coin battery (built-in)
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality ECD Size Dots Dots Dots Dots Adjustments Ad	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 49, 50jps YES. 2, 6 c1, 28, 30, 32, 34, 37, 42, 45, 44, 50jps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 4, 6 or 12 frames YES. 4, 6 or 12 frames YES. 4, 6 or 12 frames YES. 2, 6 or 12 frames YES. 109/down, left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable Waveform Monitor and Vectorscope Peaking; Magnifying: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both Ourput via HD-SDI (X7305) or HDMI On/Off (Aspect raio, Aspect marker, Select	35Mbps VBR (4-2:0) MPEC-2 MP8HL; 25Mbps CBR (4-2:0) MPEC-2 MP8HL; 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 3, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 3, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals During video recording: 1920 x 1080, 1280 x 720 8.8cm (3.5 <sup>++</sup> ) 920000 Brightness, contrast, colour, sharpness, backlight, black & white YES. (270 degree rotation about horizontal axis) Waveform Monitor Peaking: Aganifying: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both; Output via HD-SDI (XF105) or HDMI	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone attenuation Microphone level meter Bactup power supply Power Consumption Continuous Recording	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 Soli/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES YES Lithium coin battery (built-in) 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied BP-955: Approx. 260 mins <sup>1</sup> (XF305)/295 mins <sup>2</sup> (XF300) Optional BP-975: Approx. 405 mins <sup>1</sup> (XF305)/450	Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate 11.25° to 360° depending on frame rate 13.1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz         YES A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Slow/Fast motion Interval Record Frame Record Pre Record (cache record) Scan Reverse Photo storage media Still quality ECD Size Dots Dots Dots Dots Adjustments Ad	35Mpps VBR (4:2:0) MPEG-2 MP6HL; 25Mpps CBR (4:2:0) MPEG-2 MP6HL 50Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 35Mpps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 25Mpps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 49, 50jps YES. 2, 6 c1, 28, 30, 32, 34, 37, 42, 45, 44, 50jps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames YES. 4, 6 or 12 frames YES. 4, 6 or 12 frames YES. 4, 6 or 12 frames YES. 2, 6 or 12 frames YES. 109/down, left/right image inversion SD/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable Waveform Monitor and Vectorscope Peaking; Magnifying: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both Ourput via HD-SDI (X7305) or HDMI On/Off (Aspect raio, Aspect marker, Select	35Mbps VBR (4-2:0) MPEC-2 MP8HL; 25Mbps CBR (4-2:0) MPEC-2 MP8HL; 50Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 35Mbps: 1920 x1080/50, 25p; 1280 x 720/50p, 25p; 25Mbps: 1440 x1080/50, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 2, 6 or 12 frames, 25 time intervals YES. 3, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals YES. 3, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals During video recording: 1920 x 1080, 1280 x 720 8.8cm (3.5 <sup>++</sup> ) 920000 Brightness, contrast, colour, sharpness, backlight, black & white YES. (270 degree rotation about horizontal axis) Waveform Monitor Peaking: Aganifying: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both; Output via HD-SDI (XF105) or HDMI	Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone level meter Backup power supply Power Consumption Continuous Recording	3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 11.25 to 360° depending on frame rate 12.5 to 360° depending on frame rate 13.5 to 360° depending on frame rate 14.5 to 360° depending on frame rate 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES YES Lithium coin battery (built-in) 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied BP-955: Approx. 260 mins <sup>1</sup> (XF305) / 75 opprox. 405 mins <sup>1</sup> (XF300) Jetonal BP-975: Approx. 405 mins <sup>1</sup> (XF300)	Full Auto / Manual joystick control (Auto;         Speed; Angle; Clear Scan (CS); Slow         Shutter (SLS); IR Slow Shutter)         1/18 to 1/2000 depending on frame rate         11.25 to 360° depending on frame rate         11.25 to 360° depending on frame rate         11.25 to 360° depending on frame rate         13.1/6, 1/12, 1/25 (depending on frame rate         13.1/6, 1/12, 1/25 (depending on frame rate)         50/p: 50 to 251.15Hz; 25p: 25 to         251.15Hz         YES         A, B, Preset (Daylight, Tungsten), Colour Temperature         16-bit 2ch (48 kHz) linear PCM         Audio limiter, Auto/manual settings via control dials on handle         YES         YES         Lithium coin battery (built-in)

1. 50Mbps CBR mode, HD-SDI off, using EVF. 2. 50Mbps CBR mode, using EVF.

All data is based on Canon's standard testing methods. Specifications are subject to change without notice. <sup>™</sup> and 0: All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries.

### Professional Camcorder range

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