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

Canon

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

h

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.

Canon

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.

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.

COMPACTFLASH CARD RECORDING

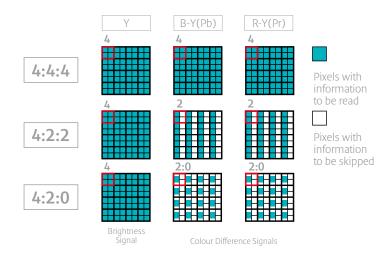
The XF Range uses non-proprietary CompactFlash (CF) memory cards. CF cards are fast, robust, widely available and relatively inexpensive enabling up to 160 minutes of 50Mbps footage to be stored on a single 64GB CF card.

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.

Compact Flash RO



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.



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.



AUTOFOCUS MODES

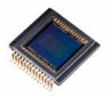
Canon's unique Instant AF focusing system uses dual sensors to achieve ultra fast and accurate autofocus.

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.

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 CUSTOMISATION 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

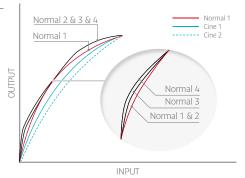
For playing back video on consumer flat-panel display. C8 Cine.V

For achieving a film-like effect on TV monitor, such as when creating TV programs that require a film-like effect 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'.



										Rec	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										YE	S									
35Mbps	1920x1080	25p					YES										NO					
	1280x720	50p/25p										YE	S									
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.

Canon

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.

4 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.

0 - (T-)

Canon

XF105

D

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.

anon

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.

4 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

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

6 ELECTRONIC VIEWFINDER

OPTICAL

XF105 includes additional studio connectivity:

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

2 2

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

MERA, OFF. MEDI

XF105

Ю 10

7

Canon

ILL HITO M.

Canon

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	User interface: Japanese / English / French / German /	apanese/English Italian / Spanish / Russian / Chinese (simplified)

NLE Compatibility table

NLE Name	Version
Final Cut Pro (Mac)	6.0.3 or later
Fillal Cut Plo (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

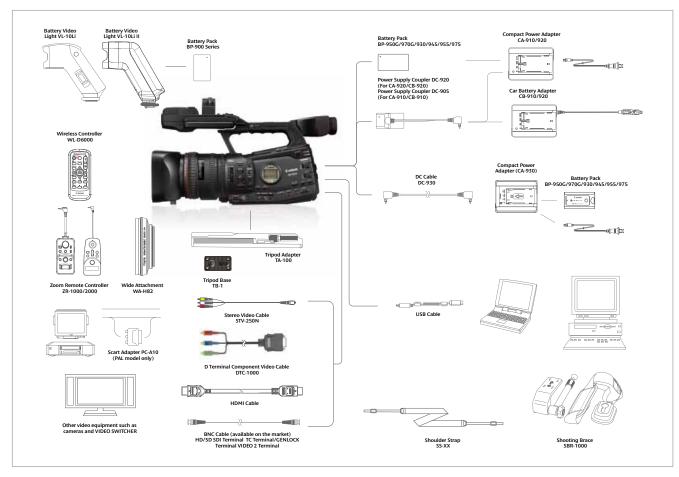


Zoom Remote Control ZR-2000

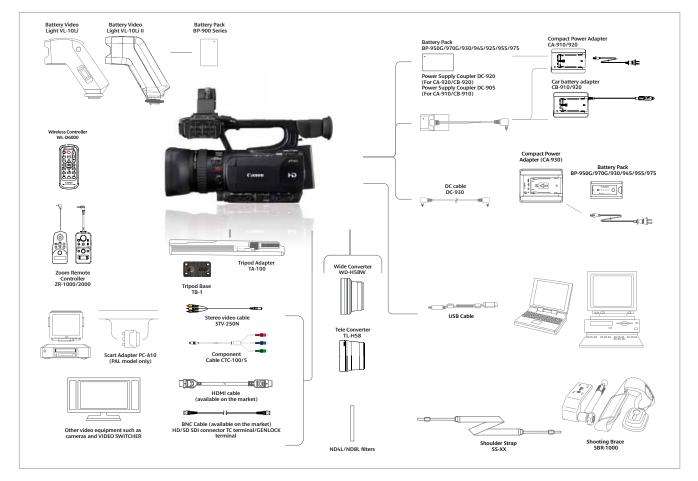
BATTERY PACK BP-930 / 945 / SpSGC / 970G ✓ BP-925 ✓ BP-925 ✓ BP-955 ✓ BP-975 ✓ BTTERY CHARGER ✓ CA-920 ✓ CA-920 ✓ DC-920 ✓ DC-920 ✓ DC-930 ✓ DC-930 ✓ DC-930 ✓ DC-930 ✓ VAL BATTERY CHARGER ✓ CH-910 ✓ VANB2 ✓ VDAL BATTERY CHARGER ✓ CH-910 ✓ VAH82 ✓ VA-920 ✓ VA-930 ✓ VDEANGLE CONVERTER ✓ WD-H58W ✓ FILTER SET ✓ EOS S8mm filters ✓ V1-10Li II ✓ (requires BP-9XX) ✓ VL-10Li III ✓ (requires BP-9XX) ✓ ZR		XF305 / XF300	XF105 / XF100
BP-925Image: style styl	BATTERY PACK		
BP-955Image: style styl		✓	1
BP-975 Image: Constraint of the sector of the	BP-925	 ✓ 	 ✓
BATTERY CHARGERCA-920IICA-930IIDC-00UPLERSIIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IIDC-930IICH-910IIWa-H82II	BP-955	1	1
CA-920Image: constraint of the sector of the se	BP-975	1	 ✓
CA-930 Image: Constraint of the sector of the	BATTERY CHARGER	2	
DC COUPLERSDC-920IDC-930IDUAL BATTERY CHARCERCH-910ICAR BATTERY CHARCERCB-920ICAR BATTERY CHARCERCB-920IVIDE ANGLE CONVERTERWA-H82IWA-H82ISBMM filtersE05 58mm filtersCH-910 IITLEE CONVERTERTUPEO LIGHTYL-10LI (requires BP-9XX series battery)VIDEO LIGHTYL-10LI (requires BP-9XX 	CA-920	 Image: A second s	 ✓
DC-920Image: constraint of the sector of the se	CA-930	 Image: A second s	 ✓
DC-930Image: style styl	DC COUPLERS		
DUAL BATTERY CHARGERCH-910IICAR BATTERY CHARCERICB-920IIWIDE ANGLE CONVERTERIWA-H82IIWD-H58WIIFLTER SETIIEOS 58mm filtersIITI-H58IIVIDEO LIGHTIVIDEO LIGHTIVI-10Li II (requires BP-9XX)IVI-10Li II (requires BP-9XX)I <td>DC-920</td> <td> Image: A second s</td> <td> ✓ </td>	DC-920	 Image: A second s	 ✓
CH-910Image: constraint of the sector of the se	DC-930	 Image: A second s	1
CAR BATTERY CHARCERCAR BATTERY CHARCERCB-920Image: Colspan="2">Image: Colspan="2"/Image: Colspan="2"/Image	DUAL BATTERY CH.	ARGER	
CB-920Image: constraint of the sector of the se	CH-910	 Image: A second s	<i>✓</i>
WIDE ANGLE CONVERTER WA-H82 ✓ WD-H58W ✓ PILTER SET ✓ EOS 58mm filters ✓ TELE CONVERTER ✓ TL-H58 ✓ VIDEO LIGHT ✓ VIDEO LIGHT ✓ VL-10Li II (requires BP-9XX) ✓ Series battery) ✓ VL-10Li II (requires BP-9XX) ✓ ZR-2000 ✓ ZR-2000 ✓ DTC-1000 ✓ CRLES DTC-1000 ✓ CTC-100 ✓ CTC-100/S STU-250N ✓	CAR BATTERY CHA	RGER	
WA-H82Image: Constant of the sector of the sect	CB-920	 Image: A second s	 ✓
WD-H58W Image: Constraint of the sector of the	WIDE ANGLE CONV	/ERTER	
FILTER SET FILTER SET EOS 58mm filters Image: Comparison of the second s	WA-H82	 Image: A second s	
EOS S8mm filtersImage: Convertient conver	WD-H58W		 ✓
TELE CONVERTER TL-H58 Image: Converting the service of the servic	FILTER SET		
TL-H58 Image: Addition of the state of the	EOS 58mm filters		 ✓
VIDEO LIGHT VI-10Li (requires BP-9XX senes battery) ✓ VI-10Li II (requires BP-9XX senes battery) ✓ REMOTE ZOOM CONTROLLER ✓ ZR-2000 ✓ ✓ ZR-2000 ✓ ✓ ZR-1000 ✓ ✓ CABLES ✓ ✓ DTC-1000 ✓ ✓ CTC-100/S ✓ ✓ STV-250N ✓ ✓	TELE CONVERTER		
VI-10Li (requires BP-9XX series battery) ✓ ✓ VI-10Li II (requires BP-9XX series battery) ✓ ✓ REMOTE ZOOM CONTROLLER ✓ ✓ ZR-2000 ✓ ✓ ✓ ZR-2000 ✓ ✓ ✓ ZR-1000 ✓ ✓ ✓ CABLES ✓ ✓ DTC-1000 ✓ ✓ ✓ CTC-100 ✓ ✓ ✓ STV-250N ✓ ✓ ✓	TL-H58		 ✓
(requires BP-9XX senies battery) ✓ ✓ VL-10Li II (requires BP-9XX senies battery) ✓ ✓ REMOTE ZOOM CONTROLLER ✓ ✓ ZR-2000 ✓ ✓ ✓ ZR-2000 ✓ ✓ ✓ ZR-1000 ✓ ✓ ✓ CABLES ✓ ✓ DTC-1000 ✓ ✓ ✓ CTC-100 ✓ ✓ ✓ CTC-100/S ✓ ✓ ✓	VIDEO LIGHT		
VI-10Li II (requires BP-9XX) series battery) ✓ ✓ REMOTE ZOOM CONTROLLER ✓ ✓ ZR-2000 ✓ ✓ ✓ ZR-1000 ✓ ✓ ✓ CABLES ✓ ✓ ✓ DTC-1000 ✓ ✓ ✓ CTC-100 ✓ ✓ ✓ STV-250N ✓ ✓ ✓	(requires BP-9XX	1	1
REMOTE ZOOM CONTROLLER ZR-2000 ✓ ✓ ✓ ZR-1000 ✓ ✓ ✓ CABLES ✓ ✓ DTC-1000 ✓ ✓ ✓ CTC-100 ✓ ✓ ✓ STV-250N ✓ ✓ ✓	VL-10Li II (requires BP-9XX series battery)	1	1
ZR-2000 Image: Constraint of the sector of the	-		
CABLES DTC-1000 ✓ CTC-100 ✓ CTC-100/S ✓ STV-250N ✓			1
DTC-1000 Image: Constraint of the sector of th	ZR-1000		
DTC-1000 Image: Constraint of the sector of th	CABLES		
CTC-100/S ✓ ✓ STV-250N ✓ ✓		1	
STV-250N 🗸	CTC-100		1
	CTC-100/S		1
TRIPOD ADAPTOR	STV-250N	 Image: A second s	 ✓
	TRIPOD ADAPTOR		
TA-100 🗸 🗸	TA-100		1
TB-1 🗸 🗸	TB-1	1	 ✓
SHOOTING BRACE	SHOOTING BRACE		
SBR-1000 🗸	SBR-1000	 ✓ 	1

System Chart

XF305 XF300



XF105 XF100



Specifications

XF305 XF300 XF

00 XF105 XF100

LENS 10x 4,1 - 73.8mm (35mm equivalent: 29.3 - 4,25,42,5mm (35mm equivalent: 30.4 - 3		XF305 XF300	XF105 XF100
Sensor1/3 type 24051/3 type 2405SystemRGB (Prion2.37 megaptics2.37 megapticsMinimum illumination2.07 megaptics2.07 megaptics2.07 megapticsMinimum illumination1000 TV lines or more (1920 x 1080 mode)900 TV lines or more (1920 x 1080 mode)900 TV lines or more (1920 x 1080 mode)Minimum flux distance1.000 TV lines or more (1920 x 1080 mode)900 TV lines or more (1920 x 1080 mode)900 TV lines or more (1920 x 1080 mode)Minimum floxus distance1.011.021.024.25 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.37 mm)Minimum floxus distance1.01, 1.73 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 3.04 - 3.57 - 4.2 Smm (3 Smm equivalent: 4.04 or 0.01)Rotics controlRong Rocker or Handle SomPandiable in each mode) Handle somZoom speedRong Rocker or Handle SomPandiable in each mode) Handle somPillet dame and ing; full Auto; Push Auto IrisPandiable in each mode) Handle somPillet dame andRocker of Handle SomPandiable in each mode) Handle somPillet dame andPillet dame andPillet dame andPillet dame andRocker of Handle Rocker All Pillet All Pillet All P	IMAGE SENSOR		
Total policy pricemon 2.37 megapikets 2.37 megapikets Elective policy price 2.37 megapikets Full Auto (214B gain), 50/25p; 3.8 lax / 3.1 la		1/3 type 3CMOS	1/3 type CMOS
Effective piecks per serior 2.07 megapites Minimum illumination 2.07 megapites Minimum illumination 2.07 megapites Minimum illumination 2.07 megapites Minimum filter (2.018 gain), 500/25p; 13 law / 4 Manual mode (33.08 gain), 500/25p; 13 law / 6 Minimum fice. 100 V lines or more (1920 x 1080 mode) 900 V lines or visual expective or simulation (1980 V mode) 900 V lines or visual expective or simulation (1980 V mode) 900 V lines or visual expective or vis	System	RGB Prism	Bayer pattern filter
Minimum illumination Full Astor (21 dB gain), 50/25p: 3.8 lax / Bill Astor (23 dB gain), 50/25p: 1080 Full Astor (23 dB gain), 50/25p: 1080 Minimum fold (33 dB gain), 50/25p: 1080 Minual mode (33 dB gain), 50/25p: 13.8 lax / Bill Astor (23 dB gain), 50/25p: 13.0 lax / Bill Bill Bill Astor (23 dB gain), 50/25p: 13.0 lax / Bill Bill Bill Bill Bill Bill Bill Bill			
1 Jalax 1 Jalax Manual mode (33:dB gain), 50//25p: 1.3 Jav / 6.7 Jav. Monitorial Resolution 1000 V Lines or more (1920 x 1080 mode) Sommation 100 Focal length 1,1 - 73 Jamn (15mm equivalent: 29.3 - 527 kmm) Minimum focus distance 112, 20mn Rocker variable specification (15mn equivalent: 29.3 - 527 kmm) Minimum focus distance 100, 12, 20mn Rocker variable gains available in each mode) Findle specification (15mn equivalent: 29.3 - 100, 12mn Rocker variable specification common (MACRO) ND Filter 3 glass filters: 1/4, 1/16, 1/64 Ring, Rocker or Handle Zoom specification 20m Rocker Variable specification common (MACRO) Non and ring or automatic (Instant AF, NA or farze Detection AF) Ring control rautomatic (Instant AF, NA or farze Detection AF) Nexuel inge statistic in each mode) Ring control rautomatic (Instant AF, NA or farze Detection AF) Manual ring or automatic (Instant AF, NA or farze Detection AF) Ring control rautomatic (Instant AF, NA or farze Detection AF) Optical lens shift system (angle & vector system Digital zoom Type 1 Compact Fisch memory cards (Tyre 1 Satts) Digital zoom Type 1 Compact Fisch memory cards (Tyre 1 Satts) Type 1 Compact Fisch memory cards (Tyre 1 Satts) Digital zoom Type 1 Compact Fisch memory cards (Tyre 1 Satts) Type 1 Compact Fisch memory cards (Tyre 1 Satts) Digital zoom Type 1 Compact Fisch memory cards (Tyre 1 Satts)			
Horizal model (33/8 gain), 50/25p; 1000 TV lines or more (1920 x 1080) model Manual model (33/8 gain), 50/25p; 13/2 / 57/2000 Horizant Markov (1920 x 1080) model 900 TV lines or more (1920 x 1080) model LENS 10x Land model (33/8 gain), 50/25p; 13/2 / 57/2000 10x Minimum focus distance 1n; 20mm (MACRO) ND Differ Zoom owned 3 glass filters: 1/4, 1/16, 1/64 Ring, Rocker or Handle Ring, Rocker or Handle Ring, Rocker or Handle Ring, Rocker or Handle Focus control Minum gravitability (1000 K) Focus control Minum filter, filt Auto; Push Auto International (1000 K) Focus control Manual model (1000 K) Focus control Manual model (1000 K) Focus control Manual model (1000 K) Minum model (1000 K) Manual model (1000 K) Focus control Manual model (1000 K) Manual model (1000 K) Manual model (1000 K) <td>Minimum illumination</td> <td></td> <td>Full Auto (24dB gain), 50i/25p: 3.8 lux /</td>	Minimum illumination		Full Auto (24dB gain), 50i/25p: 3.8 lux /
Horizontal Resolution 1.06 fux / 0.05 fux 1.3 fux / 0.7 fux 100 TV lines or more (1920 x 1080 mode) 90 TV lines or more (1920 x 1080 mode) 200 Traine 10 furct 112 X 1.7 3 gmm (15mm equivalent: 20.3 - 1.5 3 mm (15mm equivalent: 20.4 - 30mm) Minimum focus distance 10 furct 10.0 TV lines or more (1920 x 1080 mode) 10 furct 200 TV lines or more (1920 x 1080 mode) 10 furct 113 Rui / 0.7 furct			
LENS No. Zoom Tratio 11/2 Focal length 12, 72 dmm 05mm equivalent. 29.3 - 527 zmm) Szi zerm) 527 zmm) Minimum focus distance Im, 20mm (MACRO) Minimum focus distance Im, 20mm (MACRO) Zoom speed Zoom Rocker Vrahalle speed/Field speed Zoom Rocker Vrahalle speed/Field speed Field channel/Sky, 16 speed Field channel/Sky, 16 speed Speed lengt shift marker VK Maual fing of automatic (Instancel) Maual fing of automatic (Instancel) Maual fing of automatic (Instancel) Maual fing of automatic (Instancel) Maual fing of automatic (Instancel) Maual fing of automatic (Instancel) Maual fing of automatic (Instancel) Reg control or automatic (Instancel) Maual fing of automatic (Instancel) Reg control or automatic (Instancel) Marce Instancel Reg control or automatic (Instancel) Maual fing Coll lens chill system (angle 6 wctor movement detection). 3 modes: Dynamic, Samm Samm Vide storage medial Type 1 Cornage Field memory cards (Card dists) Samm Vide storage medial Type 1 Cornage Field memory cards (Card dists) Samm Vide storage medial <td></td> <td>0.06 lux / 0.05 lux</td> <td>1.3 lux / 0.7 lux</td>		0.06 lux / 0.05 lux	1.3 lux / 0.7 lux
Zoom ratio 184 10x 4, 1 - 7.8 mm (35 mm equivalent: 29.3 - 304 mm) Minimum focus distance 1m; 20mm (MACRO) 527.4 mm) 500 mm (MACRO) Minimum focus distance 1m; 20mm (MACRO) 500 mm (MACRO) 500 mm (MACRO) Zoom control Ring, Rocker or Handle 500 mm (MACRO) 500 mm (MACRO) Zoom speed Zoom Tocker, Variable speed/Fied speed (Fast/Normal/Sour, 16 speed level setting) available in each mode); Handle zoom Free steating available in each mode). 500 mm Cocker, Variable speed/Fied speed (Fast/Normal/Sour, 16 speed level setting) available in each mode). Annual ring; Full Auto; Push Auto Iris Filter data free bettion AF) Free steating available in each mode). Aperure range Filter data free bettion AF) Free steating available in each mode). Uside steating available in each mode). Free steating available in each mode). Jung at zoom 1.77.4 Marual ring; Full Auto; Push Auto Iris Filter data, Powered Free steating available in each mode). Jung at zoom 1.5x Sandarl, Powered Digital zoom 1.5x Sandarl, Powered Digital zoom 1.5x Sandarl, Powered Video storage media Tpe 1 Compact Flash memory cards for fast/Sow recording) Recording time Zacd F card: Up to Bomins (1080/50 (ill 50 Mps) Recording time rant Marcal alckhange Format (MKP) <t< td=""><td>Horizontal Resolution</td><td>1000 TV lines or more (1920 x 1080i mode)</td><td>900 TV lines or more (1920 x 1080i mode)</td></t<>	Horizontal Resolution	1000 TV lines or more (1920 x 1080i mode)	900 TV lines or more (1920 x 1080i mode)
Zoom ratio 184 10x 4, 1 - 7.8 mm (35 mm equivalent: 29.3 - 304 mm) Minimum focus distance 1m; 20mm (MACRO) 527.4 mm) 500 mm (MACRO) Minimum focus distance 1m; 20mm (MACRO) 500 mm (MACRO) 500 mm (MACRO) Zoom control Ring, Rocker or Handle 500 mm (MACRO) 500 mm (MACRO) Zoom speed Zoom Tocker, Variable speed/Fied speed (Fast/Normal/Sour, 16 speed level setting) available in each mode); Handle zoom Free steating available in each mode). 500 mm Cocker, Variable speed/Fied speed (Fast/Normal/Sour, 16 speed level setting) available in each mode). Annual ring; Full Auto; Push Auto Iris Filter data free bettion AF) Free steating available in each mode). Aperure range Filter data free bettion AF) Free steating available in each mode). Uside steating available in each mode). Free steating available in each mode). Jung at zoom 1.77.4 Marual ring; Full Auto; Push Auto Iris Filter data, Powered Free steating available in each mode). Jung at zoom 1.5x Sandarl, Powered Digital zoom 1.5x Sandarl, Powered Digital zoom 1.5x Sandarl, Powered Video storage media Tpe 1 Compact Flash memory cards for fast/Sow recording) Recording time Zacd F card: Up to Bomins (1080/50 (ill 50 Mps) Recording time rant Marcal alckhange Format (MKP) <t< td=""><td>LENC</td><td></td><td></td></t<>	LENC		
Focal lengting 4, 27, -73 Borm (35mm equivalent: 20.4, -304mm) Minimum focus distance Im; 20mm (MACRO) ND filter 3 glass filters: 1/4, 1/16, 1/164 Ring, Rocker or Handle Second participation of the relation of the relatio		18x	10x
Minimum facus distanc 1m, 20mm (MACRO) 304mm) Minimum facus distanc 1m, 20mm (MACRO) 60m (throughout zoom range); 20mm (MACRO) ND filter 3 glass fitters: 1/4, 1/16, 1/64 Ring, Rocker or Handle Zoom speet Zoom Tacker, Variable speed/Fied speet Zoom speet Zoom Tacker, Variable speed/Fied speet Zoom speet Zoom Tacker, Variable speed/Fied speet Minimum facus distance Face Detection AF) Focus control Manual ring; Full Auto; Push Auto Iris Filter damater Face Detection AF) Filter damater Face Detection AF) Digital zoom 1.5X MAACE PROCESSOR Digital zoom Video storage media Ype 1 Compact Flash memory cards Type Digital zoom Jpe 1 Compact Flash memory cards C Card disto ZC G C C VIII Digital zoom MAACE PROCESSOR Digital zoom Jpe 1 Compact Flash memory cards Video storage media Ype 1 Compact Flash memory cards Zc ard sites) Type Digital zoom JSCB C C ard: Up to 80mins (1080/50 (e) Solmps) Solmps) Solmps) Solmps) Recording file format Solmps) Solmps) Recording file format Solmps) JSCB C C ard: Up to 80mins (1080/50 (e) <			
International Systems (MacRO) International Systems (MacRO) Zoom control Ring, Rocker or Handle Zoom speet Zoom Macker Variable speed/Fied speed (Fast/Normal/Sou, 15 speed level setting available in each mode) Focus control Manual Inig or automatal Sinu, 15 speed (Fast/Normal/Sou, 15 speed level setting available in each mode) Focus control Manual Inig or automatal Sinu, 15 speed (Fast/Normal/Sou, 15 speed level setting available in each mode) Focus control Manual Inig or automatal Sinu, 15 speed (Fast/Normal/Sou, 15 speed level setting available in each mode) Inig control or automatal (Inig Sum Annual Or Face Detection AP) Ring control or automatal (Inig Sum Annual Original zoom) Aperture range Filter diameter BZmm Ring control or automatal (Inig Sum Annual Original zoom) Sandard, Powered 1.5X Upidal zoom 1.5X Wideo storage media Video storage media Ype 1 Compact Flash memory cards (C card slos) Type DiGIC DV III Becording firm rang Stabilization To fastSiStow recording) Type 1 Compact Flash memory cards (C card slos) Type DiGIC DV III Becording firm range Stabilization To fastSiStow recording) Type 1 Compact Flash memory cards (C card slos) Type Compact Flash memory cards (C card slos) Type Compact Flash memory cards (C card slos) Type Compact	-	527.4mm)	
ND Filter 3 glass filters: 1/4, 1/16, 1/64 Builtin gradation filter (Auro or Off) Zoom speet Zoom Bocker variable speed/Filed speet Zoom speet Zoom Rocker variable speed/Filed speet Aperture range Filed Speet Filed ratemet Zmm Ting - Carbo Digital zoon Digital zoon T/14 Digital zoon T/27 Digital zoon T/27 MAGE PROCESSOR Type Digital zoon Type Digital zoon Type 1 Compact Flash memory cards (2 card sites) Type Digital cons file system (angle 6 vector movement detection); 3 modes: Dynamic, standard, Powered Type Digital zoon Type Digital zoon Type Digital zoon Recording file format texth Appert Apper	Minimum focus distance	1m; 20mm (MACRO)	60cm (throughout zoom range); 20mm
Zoom control Ring, Rocker or Handle Zoom speed Zoom Speed Zoom speed Zoom Moder, Valable speed/Fied speed Zoom speed Zoom Moder, Valable speed/Fied speed Zoom speed Zoom Moder, Valable speed/Fied speed Field Speed (Fast/Normal/Sow, 15 speed level settings available in each mode) Field speed (Fast/Normal/Sow, 15 speed level settings available in each mode) Focus control Manual ring, Full Auto, Push Auto Iris Field speed (Fast/Normal/Sow, 15 speed level settings available in each mode) Filter diameter Sam Auto, First Arg, Face Detection AF, Face Sam Mark, TV AF, Face Detection AF, Face Manual ring, Full Auto, Push Auto Iris Filter diameter Sam Mark, TV AF, Face Detection AF, Face Digital zoom Optical lens shift system (angle & vector, San dard, Powered) Sam dard, Powered Digital zoom Type Optical lens shift system (angle & vector, San dard, Powered) Type Digital zoom Type 1 Compact Hash memory cards (Card Up to Bomins (1080/50) (S 50 Mbps) Recording time Zoom Shift System (angle & vector, Transfer, Sam Mark, Son daster (40MB/s or faster	ND filter	3 glacs filters: 1/4, 1/16, 1/64	
Zoom speed Joom Rocker: Variable speed/Field speed (Fast/Normal/Slow, 16 speed level settings available in each mode): Handle zoom: Field speed (Fast/Normal/Slow, 16 speed (Fast/Normal/Slow, 16 sp	Zoom control		-
(Fast/Normal/Slow, 16 speed level settings) available in each model, Handle zoom: Fixed speed (Fast/Normal/Slow, 16 speed level settings) available in each model, Handle zoom: Fixed speed (Fast/Normal/Slow, 16 speed level settings) of Face Detection AF) of Face Detection AF) in's control Aperture range Filter diameter Zmm 17/14 Digital zoom Digital zoom Jixy Digital zoom Type Digital zoom Type Digital zoom Type Digital zoom Type Digital zoom Type Digital zoom Type Digital zoom Type Digital zoom Type <td></td> <td></td> <td></td>			
available in each model, Handle zoom: Fixed speed (fast/ward/slow, i6 speed level settings available in each model) available in each model, Handle zoom: Fixed speed (fast/ward/slow, i6 speed level settings available in each model) Focus control Manual ingor automatic (Instant A, T, V AF, Tace Detection AF) Ring control, Custom dial control, Full Auto Parture range In's control Manual ingor, Full Auto, Push Auto Inf Apetrue range Ring control, Custom dial control, Full Auto Parture range Ins control Manual ingor, Full Auto, Push Auto Inf Bard Speed (fast/ward/speed) Ring control, Custom dial control, Full Auto Parture range Ins control Manual ingor, Full Auto, Push Auto Inf Bard Speed (fast/ward/speed) Ring control, Custom dial control, Full Auto Parture range Image stabilization Type Indicate Processory Digital coom 1.5X Image stabilization Type I Compact Flash memory cards (2 card slos) Type I Compact Flash memory cards (2 card slos) Video storage media Type I Compact Flash memory cards (2 card slos) UDMA, 30MM/s or faster (40MM/s or faster for fast/slow recording) Recording firem rate Type I Compact Flash memory cards (2 card slos) UDMA, 30MM/s or faster (40MM/s or faster for fast/slow recording) Recording firem rate SoMppo) Type I Compact Flash memory cards (2 card slos) UDMA, 30MM/s or faster (40MM/s or faster for fast/slow recording) Recording firem rate SoMppo) Type I Compact Flash memory cards (2 card slos) <t< td=""><td>Zoom speed</td><td>Zoom Rocker: Variable speed/Fixed speed</td><td>Zoom Rocker: Variable speed/Fixed speed</td></t<>	Zoom speed	Zoom Rocker: Variable speed/Fixed speed	Zoom Rocker: Variable speed/Fixed speed
Fixed speed (Fast/Normal/Slow, 16 speed level settings available in each mode) Fixed speed (Fast/Normal/Slow, 16 speed level settings available in each mode) Focus control Manual ring r automatic (Instant A, TV AF perture range filter diameter 2000 provide the schift system (angle & vector movement detection); 3 modes: Dynamic, Sandard, Nowered Ring control; Custom dial control; Full Auto fill actionate provide the schift system (angle & vector movement detection); 3 modes: Dynamic, Sandard, Nowered Digital zoom 1.5X IMAGE PROCESSOR Digital coom Type Digital coom Ty		available in each mode); Handle zoom:	available in each mode); Handle zoom:
Focus control Manual ring or automatic (Instant AF, TV AF Forge control or automatic (Instant AF, Foce Only AF) Inis control Manual ring; Full Auto; Push Auto Iris Filer diameter Aperture range Filer diameter 82.mm Lens elements/groups 7174 Optical lens shift system Optical lens shift system Digital zoon 1.5X 12/10 Ubidat Zoon 1.5X 12.5X Video storage media Type DGIC DV III Video storage media Type Car ad Jobs; Video storage media Type Car ad Jobs; Video storage media Car ad Jobs; Start discuster Recording file 70 EC Car ad: Up to 80mins (1080/50) eff 50 Mpp; Recording file 20 CG C Card: Up to 80mins (1080/50) eff 50 Mpp; Recording file 50 Mpp; 120 C V 100 SO So So So CH (2000 SO) eff Solw/Fast motion 75 Sc 7 20 (100/50) c 50, 25 p; 1280 x 700 F 12, 15, 18, 20, 21, 22, 23, 42, 55, 62 (20, 77, 28, 30, 32, 34, 37, 42, 45, 48, 50 p; Solw/Fast motion 75 Sc 7 12 frames 75 Sc 7 12 Frames Photo storage media Sol/SDHC Sol Sol (100 SO), 25 p; 1280 x Solw/Fast motion 75 Sc 7 12 Frames Sill quality Sol Sol C Card (100 NSO), 25 p; 1280 x Solw/Fast motion 75 Sc 7 12		Fixed speed (Fast/Normal/Slow, 16 speed	Fixed speed (Fast/Normal/Slow, 16 speed
or Face Defection AF) Manual ring, Full Auto, Push Auto Iris Apeture range File of Ca2 Filer diameter B2mm 1100 17/14 Umage stabilization system 17/14 Digital zoon 1.5X IMACE PROCESSOR 1.5X Video storage media Nype 1 Compact Flash memory cards (2 card slots) Type DGIC DV III Recording filme 12/210 Ophas, Sol MB/S or faster (40MB/s or faster (2 card slots) Type 1 Compact Flash memory cards (2 card slots) Type DGIC DV III Recording filme 32CB CF card: Up to 80mins (1080/50) (4) SoMps CBR (4:2:2) MPEC: 2 4220HL; SSMps VBR (4:2:0) MPEC: 2 MPRH14 Recording filme format Recording formar Material exchange format (MXF) MPEG-2 Long GOP SoMps CBR (4:2:2) MPEC: 2 4220HL; SSMps VBR (4:2:0) MPEC: 2 MPRH14 Solw/Fast motion YES YES 2 card 12 for 80/50, 25p, 1280 x 720/50p, 25p	Focus control		
Ins control Aperture range Filter diameter Bitter diameter	Tocas control	or Face Detection AF)	Medium AF, TV AF, Face Detection AF, Face
Aperture range Filter diameter Spetter f1.6 - f2.2 B2mm B2mm Lens elements/groups T/14 Optical lens shift system (angle & vector movement detection); stokes: Dynamic, standard, Powered Digital zoom Digital zoom 1.5X IMAGE PROCESSOR DGCC DV III Video storage media Type 1 Compact Flash memory cards (2 card slots) Type DGCC DV III Video storage media Type 1 Compact Flash memory cards (2 card slots) Type DGCC DV III Video storage media Type 1 Compact Flash memory cards (2 card slots) Recording file format Material exchange format (MXF) Material exchange format (MXF) Stype (2 cang GOP Solwips care (2 cared: Up to 800% (50, 25p; 1280 x Zo/Sop, 25p Solwips (2 care (2 care) (1 be 0 como); 0 c25p; 1280 x Solwips i 14/0 x 1080/50i, 25p; 1280 x Solwips (2 care (2 care) (1 be 0 como); 0 c25p; 1280 x Sol			•
Filter diameter Lens elements/groups 82mm 17/14 Smm 12/10 Image stalization system 17/14 Optical lens shift system (angle & vector movement detection); 3 modes: Dynamic, Standard, Powered Standard, Powered Digital zoon 1.5X Standard, Powered 15x; 3x; 6x IMAGE PROCESSOR Type 1 DIGIC DV III DIGIC DV III Recording frame Type 1 Compact Flash memory cards (2 card stots) DIGIC DV III Recording file format Recording file format Recording frame rate Type 1 Compact Flash memory cards (2 card stots) DIGIC DV III Sold Compact Flash memory cards (2 card stots) DIGIC DV III DIGIC DV III Recording file format Recording file format Frame Record fing file format Frame Record fi		5.	-
Lens elements/groups Image stabilization 17/14 0ptical lens shift system (angle & vector movement detection); 3 modes: Dynamic, Standard, Powered Digital zoom 1.5X IMAGE PROCESSOR Type DGIC DV III Video storage media Type 1 Compact Flash memory cards for Fast/Slow recording) Type 1 Compact Flash memory cards for Fast/Slow recording) Type 1 Compact Flash memory cards for Fast/Slow recording) Recording file Type 1 Compact Flash memory cards for Fast/Slow recording) Type 1 Compact Flash memory cards for Fast/Slow recording) Recording file Type 1 Compact Flash memory cards for Fast/Slow recording) Type 1 Compact Flash memory cards for Fast/Slow recording) Recording file Type 1 Compact Flash memory cards for Fast/Slow recording) Type 1 Compact Flash memory cards for Fast/Slow recording) Recording file Material eXchange format for Fast/Slow recording) UDMAA, 30MB/s or faster for Fast/Slow recording) Recording frame rate Slowlps: 1920 x 1080/Sol, 25p; 1280 x 720/Sop, 25p; Solwps: 1920 x 1080/Sol, 25p; 1280 x 720/Sop, 25p; Slow/Fast motion YES 2, 6 or 12 frames, 25 time intervals YES			
Image stabilization system bigital zoom Optical lens shift system (angle & vector moment dietci(in); 3 modes: Dynamic, Standard, Powered Digital zoom 1.5X Type DiGC DV III DiGC DV III DiGC DV III Digital zoom Type DiGC DV III Digital zoom Video storage media Type 1 Compact Flash memory cards (2 card slots) Type DiGC DV III UDMAA, 30MB/s or faster (ADMB/s or faster for fast/Slow recording) Type 1 Compact Flash memory cards (2 card slots) Recording file format Recording file format Recording frame rate Type 1 Compact Flash memory cards (2 card slots) SMbps: DBK (4 card) MECs 2 MPGHL 2 SMbps: DBK (4 card) MECs 2 MPGHL 2 SMbps: DBK (4 card) MECs 2 MPGHL 2 SMbps: CBK (4 card) MECs 2 MPGHL 2 SMbps: Tyr20 x 1080/S0i, 25p; T280 x 7205 rp, 25p; 25Mbps: T1440 x 1080/S0i, 25p; T280 x 7205 rp, 25p; 25Mbps: T1440 x 1080/S0i, 25p; T280 x 7205 rp, 25, 2 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2, 6 or 12 frames, 25 time intervals 7 YES. 2,			
system movement detection); 3 modes: Dynamic, Standard, Powered Digital zoom 1.5X IMACE PROCESSOR Type Type DIGIC DV III Recording time Type 1 Compact Flash memory cards (2 card slots); Double slot (simultaneous) (2 ca			
Digital zoom 1.5X 1.5x; 3x; 6x IMACE PROCESSOR Type DIGIC DV III Recording time Type 1 Compact Flash memory cards (2 card slots). Type 1 Compact Flash memory cards (2 card slots). Wideo storage media Type 1 Compact Flash memory cards (2 card slots). Type 1 Compact Flash memory cards (2 card slots). Wideo storage media Type 1 Compact Flash memory cards (2 card slots). Type 1 Compact Flash memory cards (2 card slots). Recording time 302 G C card. Up to 80mins (1080/50) (400000000000000000000000000000000000		movement detection); 3 modes: Dynamic,	movement detection); 3 modes: Dynamic,
IMAGE PROCESSOR Type DIGIC DV III DIGIC DV III RECORDING Type 1 Compact Flash memory cards (2 card slots) Type 1 Compact	D ¹ b 1		
TypeDIGIC DV IIIDIGIC DV IIIRECORDINGVideo storage mediaType 1 Compact Flash memory cards (2 card slots)Type 1 Compact Flash	Digital zoom	1.5X	1.5X; 3X; 6X
TypeDIGIC DV IIIDIGIC DV IIIRECORDINGVideo storage mediaType 1 Compact Flash memory cards (2 card slots)Type 1 Compact Flash	IMAGE PROCESSOR		
Video storage mediaType 1Type 1<	Туре	DIGIC DV III	DIGIC DV III
Video storage mediaType 1Type 1<	DECODDING		
(2 card slots)(2 car		Type 1 Compact Flash memory cards	Type 1 Compact Flash memory cards
TypeUDMAA. 30MB/s or faster for Fast/Slow recording)UDMAA. 30MB/s or faster for Fast/Slow recording)Recording time32GB CF card: Up to 80mins (1080/50/e 50 Mbps)32GB CF card: Up to 80mins (1080/50/e 50 Mbps)Recording file formatMaterial eXchange Format (MXF)Material eXchange Format (MXF)MeEG-2 Long GOPS0Mbps CBR (4-2:0) MPEG-2 422@HL; 35Mbps VBR (4-2:0) MPEG-2 MPeHL; 25Mbps CBR (4-2:0) MPEG-2 MPEHL; 25M	2	(2 card slots)	(2 card slots); Double slot (simultaneous)
Recording time32GB (CF card: Up to 80mins (1080/50i @ 50 Mbps)32GB (CF card: Up to 80mins (1080/50i @ 50 Mbps)Recording file formatMaterial eXchange Format (MXF)Material eXchange Format (MXF)Recording formatMPEG-2 Long GOPMaterial eXchange Format (MXF)Solbps CBR (4:2:2) MPEG-2 422@HL: 35Mbps VBR (4:2:0) MPEG-2 422@HL: 35Mbps CBR (4:2:0) MPEG-2 MP@HL1 25Mbps CBR (4:2:0) MPEG-2 MP@HL14 25Mbps CBR (4:2:0) MPEG-2 MP@HL14 2	Туре	UDMA4, 30MB/s or faster (40MB/s or faster	LIDMA4 30MB/s or faster (40MB/s or faster
S0 Mbps)50 Mbps)Recording file formatMaterial eXchange Format (MXF)Meterial eXchange Format (MXF)Material eXchange Format (MXF)MPEG-2 Long GOPS0Mbps CBR (4-2:2) MPEG-2 422@HL; 35Mbps VBR (4-2:0) MPEG-2 MPEHL; 25Mbps CBR (4-2:0) MPEG-2 MPEHL; 25Mbps (4-2:0) MPEG-2 MPEHL; 25Mbps (4-2:0) MPEG-2 MPE		-	
Recording file formatMaterial eXchange Format (MXF)Material eXchange Format (MXF)Recording formatMPEG-2 Long GOPMPEG-2 Long GOPSoMbps CBR (4:2:0) MPEG-2 MPEH1L;SoMbps VBR (4:2:0) MPEG-2 MPEH1L;SoMbps VBR (4:2:0) MPEG-2 MPEH1L;SoMbps CBR (4:2:0) MPEG-2 MPEH1L;SoMbps: 1920 x 1080/50i, 25p; 1280 xSoMbps: 1920 x 1080/50i, 25p; 1280 xSolw/Fast motionYES.720: 720: 720: 720: 720: 720: 720: 720:	Recording time		32GB CF card: Up to 80mins (1080/50i @ 50 Mbps)
Recording formatMPEG-2 Long GOPSOMbps CBR (4-2:2) MPEG-2 422@HL; 3SMbps VBR (4-2:0) MPEG-2 MPEHL; 2SMbps CBR (4-2:0) MPEG-2 MPEHL; 2SMbps (2S, 2,6 or 12 frames, 42,45,48,450fpsFree Record (cache record) Scan ReverseYES 2, 6 or 12 frames, 25 time intervals YES 2, 6 or 12 frames, 25 time inte	Recording file format		
SOMbps CBR (4-2:2) MPEC- 422@HL: 35Mbps VBR (4-2:0) MPEC- 422@HL: 35Mbps VBR (4-2:0) MPEC- 402@HL: 35Mbps CBR (4-2:0) MPEC- 402 35Mbps CBR (4-2:0) MPEC- 400 35Mbps CBR (4-2:0) MPEC- 402 35Mbps CBR (4-2:0) MPEC- 400 35Mbps CBR (4-	-		
25Mbps CBR (4:2:0) MPEG-2 MP@H14 720/50p, 25p; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 720/50p, 25p; 25Mbps CBR (4:2:0) MPEG-2 MP@H14 720/50p, 25p; Solbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; 50Mbps: 1920 x 1080/50i, 25p; 720x Slow/Fast motion YES. 720: 712, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 720: 712, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps Interval Record 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, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames Pre Record (cache record) YES. Up/down, left/right image inversion YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames Photo storage media Still quality SD/SDHC memory card SD/SDHC memory card During playback: 1920x1080, 1280 x 720 During playback: 1920x1080, 1280 x 720 Image quality adjustments Brightness, contrast, colour, sharpness, backlight, black & white 8.8cm (3.5') 920000 Brightness, contrast, colour, sharpness, backlight, black & white 8.8cm (3.5') 920000 Brightness, contrast, colour, sharpness, backlight, black & white 8.8cm (3.5') 920000 Brightness, contrast, colour, sharpness, backlight, black & white 920000 <td< td=""><td></td><td>50Mbps CBR (4:2:2) MPEG-2 422@HL;</td><td>50Mbps CBR (4:2:2) MPEG-2 422@HL;</td></td<>		50Mbps CBR (4:2:2) MPEG-2 422@HL;	50Mbps CBR (4:2:2) MPEG-2 422@HL;
Recording frame rate 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; 50Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p, 25p; Slow/Fast motion YES. YES. 720:71, 21, 25, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 720:71, 21, 51, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. YES. 720:71, 21, 51, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps YES. 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, 6 or 12		35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBR (4:2:0) MPEG-2 MP@H14	35Mbps VBR (4:2:0) MPEG-2 MP@HL; 25Mbps CBP (4:2:0) MPEG-2 MP@H14
720/50p, 25p; 720/50p, 25p; Sibmbs: 1292 x 1080/50i, 25p; 720; YES. 720: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 03, 23, 34, 37, 42, 45, 48, 50fps Frame Record YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames 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. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 7 202 x 1080, 1280 x 720 During video recording: 1920 x 1080; <tr< td=""><td>Recording frame rate</td><td></td><td></td></tr<>	Recording frame rate		
720/50p, 25p; 720/50p, 25p; Solw/Fast motion YES. 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p Slow/Fast motion YES. 720/50p, 25p; 25Mbps: 1440 x 1080/50i, 25p YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps Frame Record YES. 2, 6 or 12 frames, 25 time intervals Frame Record YES. 2, 6 or 12 frames, 25 time intervals Scan Reverse YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 6 or 12 frames YES. 2, 7020 YES. 2, 6 or 12 frames YES. 2, 7020 YES. 2, 6 or 12 frames YES. 2, 7020 YES. 2, 6 or 12 frames YES. 2, 7020 YES.		720/50p, 25p;	720/50p, 25p;
Slow/Fast motion YES. 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps Interval Record YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals Frame Record YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals Pre Record (cache record) YES (3 seconds) YES. 2, 6 or 12 frames Still quality SU/SDHC memory card SD/SDHC memory card During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; Brightness, contrast, colour, sharpness, backlight, black & white Sec (3 cord) Adjustable Left/right switchable Sec (270 degree rotation about horizontal axs) Waveform Monitor Waveform Monitor and Vectorscope Waveform Monitor Fequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both Output via HD-SD (XF305) or HDMI On/Off (Aspect ratio, Safe area, Grid,		35Mbps: 1920 x 1080/50i, 25p; 1280 x 720/50p. 25p;	35Mbps: 1920 x 1080/50i, 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 720p: 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps Interval Record YES, 2, 6 or 12 frames, 25 time intervals YES, 2, 6 or 12 frames, 25 time intervals Frame Record YES, 2, 6 or 12 frames, 25 time intervals YES, 2, 6 or 12 frames, 25 time intervals Pre Record (cache record) YES, 2, 6 or 12 frames, 25 time intervals YES, 2, 6 or 12 frames, 25 time intervals Pre Record (cache record) YES, Up/down, left/right image inversion YES, Up/down, left/right, up/down/le		25Mbps: 1440 x 1080/50i, 25p	25Mbps: 1440 x 1080/50i, 25p
26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps 25fps YES. 2, 6 or 12 frames, 25 time intervals YES. 2, 6 or 12 frames, 25 time intervals Frame Record YES, 2, 6 or 12 frames Scan Reverse YES. Up/down, left/right image inversion Photo storage media DJ/SDHC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 Size 10.1 cm (4*) 8.8cm (3.5*) Adjustable Left/right switchable Yes (27 degree rotation about horizontial axis) Waveform Monitor Waveform Monitor and Vectorscope Waveform Monitor Focus Assist Peaking: Magnifying: Edge Monitor (using waveform display) Waveform Monitor Veak 2.670 degree rotation about horizontial axis) Peaking: Magnifying: Edge Monitor (using waveform display) Peaking 1, Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both Output wa HD-5Di (XF305) or HDMI On/Off (Aspect ratio, Safee tratio, Safee tratio, Safe a	Slow/Fast motion		
50fps 50fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps 1080p: 12, 15, 18, 20, 21, 22, 23, 24, 25fps Interval Record YES, 2, 6 or 12 frames, 25 time intervals Frame Record YES, 2, 6 or 12 frames, 25 time intervals 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, 6 or 12 frames Pre Record (cache record) YES (3 seconds) Scan Reverse YES. Up/down, left/right image inversion Photo storage media SD/SDHC memory card During video recording: 1920 x 1080; During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 During playback: 1920x1080, 1280 x 720 LCD Size 10.1 cm (4 ⁺) 8.8cm (3.5 ⁺) 920000 Brightness, contrast, colour, sharpness, backlight, black & white Adjustable Left/right switchable Waveform Monitor Waveform Monitor and Vectorscope Peaking Peaking, H2, Reking 2, Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI Markers On/Off (Aspect ratio, Aspect marker, Selet		720p: 12, 15, 18, 20, 21, 22, 23, 24, 25,	720p: 12, 15, 18, 20, 21, 22, 23, 24, 25,
25fpsi 25fpsi Interval Record YES. 2, 6 or 12 frames, 25 time intervals Frame Record YES. 2, 6 or 12 frames Pre Record (cache record) YES (2, 6 or 12 frames) Scan Reverse YES. Up/down, left/right image inversion Photo storage media SD/SDHC memory card Still quality During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 LCD Size 10.1 cm (4*) Size 10.2 mm Monitor Adjustable Left/right switchable Vaveform Monitor Waveform Monitor Focus Assist Peaking ; Magnifying; Edge Monitor (using waveform display) Peaking Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI Output via HD-SDI (XF305) or HDMI Output via HD-SDI (XF305) or HDMI		50fps	50fps
Interval Record YES. 2, 6 or 12 frames, 25 time intervals Frame Record YES. 2, 6 or 12 frames, 25 time intervals Frame Record YES. 2, 6 or 12 frames, 25 time intervals Pre Record (cache record) YES. 2, 6 or 12 frames, 25 time intervals Scan Reverse YES. Up/down, left/right image inversion Sb/SDHC memory card During video recording: 1920 x 1080; During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 ICD Size Size 10.1 cm (4*) Size 10.1 cm (4*) Brightness, contrast, colour, sharpness, backlight, black & white Brightness, contrast, colour, sharpness, backlight, black & white Adjustable Left/right switchable Yes (270 degree rotation about horizontia axis) Waveform Monitor Waveform Monitor and Vectorscope Waveform Monitor Frequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI On/Off (Aspect ratio, Aspect ratio, Aspe		1080p: 12, 15, 18, 20, 21, 22, 23, 24,	
Frame Record YES. 2, 6 or 12 frames Pre Record (cache record) YES (2, 6 or 12 frames) Scan Reverse YES (2, 6 or 12 frames) Photo storage media SD/SDHC memory card SUSDHC/SDVC memory card SD/SDHC/SDVC memory card During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; Bots 1.2.1 cm (4") Size 10.1 cm (4") Backlight, black & white Yes (270 degree rotation about horizontia ats) Waveform Monitor Waveform Monitor and Vectorscope Focus Assist Peaking: Magnifying: Edge Monitor (using waveform display) Peaking Peaking: 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both Ourput via HD-SDI (XF305) or HDMI On/Off (Aspect ratio, Aspect maker, Selet On/Off (Aspect ratio, Aspect maker, Selet	Interval Decard		
Pre Record (cache record) YES (3 seconds) YES (3 seconds) Scan Reverse YES. Up/down, left/right image inversion YES. Up/down, left/right image inversion Photo storage media SD/SDHC memory card SD/SDHC/SDXC memory card During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 LCD Size 10.1 cm (4*) Size 10.1 cm (4*) adjustments Brightness, contrast, colour, sharpness, backlight, black & white Adjustable Left/right switchable Focus Assist Peaking; Magnifying; Edge Monitor (using waveform display) Peaking Peaking; 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both; Output via HD-SD (XF305) or HDMI Output via HD-SD (XF105) or HDMI On voff (Aspect ratio, Aspect marker, Selet Onvfof (Aspect ratio, Safe area, Grid,			
Scan Reverse YES. Up/down, left/right image inversion YES. Up/down, left/right image inversion Photo storage media Still quality SD/SDH/C memory card DJ/SDH/C/SDXC memory card During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 LCD Size 10.1 cm (4*) 8.8cm (3.5*) Dots 1.23 million 920000 Image quality Brightness, contrast, colour, sharpness, backlight, black & white Waveform Monitor and Vectorscope Waveform Monitor Waveform Monitor and Vectorscope Waveform display) Peaking: 1, Reaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XFISO) or HDMI Markers On/Off (Aspect ratio, Aspect marker, Select			
Photo storage media D/SDHC memory card up/down/left/right image inversion Still quality During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; During video recording: 1920 x 1080; Size 10.1 cm (4*) 8.8cm (3.5*) Dots 1.23 million 920000 Image quality Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal axis) Waveform Monitor Waveform Monitor and Vectorscope Waveform Monitor Focus Assist Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI Output via HD-SDI (XF305) or HDMI On/Off (Aspect ratio, Aspect ratio, Aspect ratio, Aspect ratio, Asfect ratio, Asfe			
Still quality During video recording: 1920 x 1080; During playback: 1920x1080, 1280 x 720 LCD During playback: 1920x1080, 1280 x 720 Size 10.1 cm (4*) 8.8cm (3.5*) Dots 1.23 million 920000 Image quality Brightness, contrast, colour, sharpness, backlight, black & white Waveform Aonitor and Vectorscope Waveform Monitor Waveform Monitor Waveform Monitor isplay) Peaking, Magnifying; Edge Monitor (using waveform display) Waveform display Peaking Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Gutput via HD-5D (XF105) or HDMI Peaking, Gourt atio, Aspect marker, Selet Markers On/Off (Aspect ratio, Aspect marker, Selet) Level 1; Level 2; Both Output via HD-5D (XF105) or HDMI On/Off (Aspect ratio, Safe area, Grid,	Sear Nevelse	op dom, icongreinige inversion	
During playback: 1920x1080, 1280 x 720 During playback: 1920x1080, 1280 x 720 LCD Size 10.1 cm (4") 8.8cm (3.5") 920000 Image quality adjustments Brightness, contrast, colour, sharpness, adjustments 8.8cm (3.5") 920000 Waveform Monitor Waveform Monitor and Vectorscope Yes (270 degree rotation about horizontal axis) Waveform Monitor Peaking Peaking: Magnifying: Edge Monitor (using waveform display) Waveform Monitor Peaking: Magnifying: Edge Monitor (using waveform display) Peaking Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI On/Off (Aspect ratio, Aspect ratio		SD/SDHC memory card	SD/SDHC/SDXC memory card
LCD Size 10.1 cm (4*) 8.8cm (3.5*) Dots 1.23 million 920000 Image quality adjustments Brightness, contrast, colour, sharpness, backlight, black & white 920000 Adjustable Left/right switchable Yes (270 degree rotation about horizontal axis) Waveform Monitor Peaking: Agantifying: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain), Frequency customisable for each) Zebra Level 1; Level 2; Both Outputt via HD-SDI (XF105) or HDMI On/Off (Aspect ratio, Aspect marker, Selet) Markers On/Off (Aspect ratio, Aspect marker, Selet) On/Off (Aspect ratio, Safe area, Grid,	Still quality		
Size 10.1 cm (4*) 8.8cm (3.5*) Dots 1.23 million 920000 Image quality Brightness, contrast, colour, sharpness, backlight, black & white Brightness, contrast, colour, sharpness, backlight, black & white Adjustable Left/right switchable Yes (270 degree rotation about horizontal axis) Waveform Monitor Waveform Monitor and Vectorscope Waveform Monitor Focus Assist Peaking; Magnifying; Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF05) or HDMI On/Off (Aspect ratio, Aspect ratio, Aspect ratio, Safe area, Grid, Markers On/Off (Aspect ratio, Aspect ration Aspect ratio, Aspect ratio		During playback: 1920x1080, 1280 x 720	During playback: 1920x1080, 1280 x 720
Size 10.1 cm (4*) 8.8cm (3.5*) Dots 1.23 million 920000 Image quality Brightness, contrast, colour, sharpness, backlight, black & white Brightness, contrast, colour, sharpness, backlight, black & white Adjustable Left/right switchable Yes (270 degree rotation about horizontal axis) Waveform Monitor Waveform Monitor and Vectorscope Waveform Monitor Focus Assist Peaking; Magnifying; Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF05) or HDMI On/Off (Aspect ratio, Aspect ratio, Aspect ratio, Safe area, Grid, Markers On/Off (Aspect ratio, Aspect ration Aspect ratio, Aspect ratio			
Dots 1.23 million 920000 Image quality adjustments Brightness, contrast, colour, sharpness, backlight, black & white Brightness, contrast, colour, sharpness, backlight, black & white Brightness, contrast, colour, sharpness, backlight, black & white Adjustabel Left/right switchable Yes (270 degree rotation about horizontal axis) Waveform Monitor Waveform Monitor Waveform Monitor and Vectorscope Waveform Monitor Waveform Monitor Pocus Assist Peaking ; Magnifying; Edge Monitor (using waveform display) Peaking ; Deoking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI On/Off (Aspect ratio, Aspect ration Aspect ratio, Aspect ratio, Aspect ratio, Aspect r		· · · · ·	
adjustments backlight, black & white backlight, black & white Adjustable Left/right switchable Yes (2.70 degree rotation about horizontal axis) Waveform Monitor Mayeform Monitor and Vectorscope Waveform Monitor Focus Assist Peaking; Magnifying; Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-5D() (XF305) or HDMI Output via HD-5D) (XF305) or HDMI Output via HD-5D) or HDMI On/Off (Aspect ratio, Aspect marker, Selet On/Off (Aspect ratio, Safe area, Grid, Colour			8.8cm (3.5°)
adjustments backlight, black & white backlight, black & white Adjustable Left/right switchable Yes (2.70 degree rotation about horizontal axis) Waveform Monitor Mayeform Monitor and Vectorscope Waveform Monitor Focus Assist Peaking; Magnifying; Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-5D() (XF305) or HDMI Output via HD-5D) (XF305) or HDMI Output via HD-5D) or HDMI On/Off (Aspect ratio, Aspect marker, Selet On/Off (Aspect ratio, Safe area, Grid, Colour	Size	10.1 cm (4")	
Waveform Monitor Waveform Monitor and Vectorscope horizontal axis) Woveform Monitor Peaking: Magnifying: Edge Monitor (using waveform display) Peaking: Magnifying: Edge Monitor (using waveform display) Peaking Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 2, Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF105) or HDMI On/Off (Aspect ratio, Aspect marker, Select Markers On/Off (Aspect ratio, Aspect marker, Select On/Off (Aspect ratio, Safe area, Grid,	Size Dots Image quality	10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness,	920000 Brightness, contrast, colour, sharpness,
Waveform Monitor Waveform Monitor and Vectorscope Waveform Monitor Focus Assist Peaking; Magnifying; Edge Monitor (using waveform display) Peaking; Magnifying; Edge Monitor (using waveform display) Peaking Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Outfor Wait Ho-SDI (XF305) or HDMI Level 1; Level 2; Both Outfort wait Ho-SDI (XF305) or HDMI Markers Outfort ratio, Aspect marker, Selet On/Off (Aspect ratio, Asfeet ratio,	Size Dots Image quality adjustments	10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white	920000 Brightness, contrast, colour, sharpness, backlight, black & white
Focus Assist Peaking; Magnifying; Edge Monitor (using waveform display) Peaking; Magnifying; Edge Monitor (using waveform display) Peaking Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Zebra Level 1; Level 2; Both Outputt via HD-SDI (XF1005) or HDMI Level 1; Level 2; Both Outputt via HD-SDI (XF105) or HDMI Markers On/Off (Aspect ratio, Aspect marker, Select On/Off (Aspect ratio, Safe area, Grid,	Size Dots Image quality adjustments	10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white	920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about
wavetörm display) (using waveförm display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable för each) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable för each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI Markers On/Off (Aspect ratio, Aspect marker, Select On/Off (Aspect ratio, Safe area, Grid,	Size Dots Image quality adjustments Adjustable	10.1 cm (4°) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable	920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal axis)
Frequency customisable for each) Frequency customisable for each) Zebra Level 1; Level 2; Both Output via HD-SDI (XF30S) or HDMI Level 1; Level 2; Both Output via HD-SDI (XF10S) or HDMI Markers On/Off (Aspect ratio, Aspect marker, Select On/Off (Aspect ratio, Safe area, Crid,	Size Dots Image quality adjustments Adjustable Waveform Monitor	10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable Waveform Monitor and Vectorscope	920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal axis) Waveform Monitor
Zebra Level 1; Level 2; Both Output via HD-SDI (XF305) or HDMI Output via HD-SDI (XF305) or HDMI Output via HD-SDI (XF105) or HDMI On/Off (Aspect ratio, Aspect ratik, Aspect ratik, Select On/Off (Aspect ratik, Select Se	Size Dots Image quality adjustments Adjustable Waveform Monitor	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	920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal axis) Waveform Monitor Peaking; Magnifying; Edge Monitor
Output via HD-SDI (XF305) or HDMI Output via HD-SDI (XF105) or HDMI Markers On/Off (Aspect ratio, Aspect marker, Select On/Off (Aspect ratio, Safe area, Grid,	Size Dots Image quality adjustments Adjustable Waveform Monitor Focus Assist	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 (Colour, Gain,	920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal axis) Waveform Monitor Peaking; Hagnifying; Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain,
Markers On/Off (Aspect ratio, Aspect marker, Select On/Off (Aspect ratio, Safe area, Grid,	Size Dots Irnage quality adjustments Adjustable Waveform Monitor Focus Assist Peaking	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)	920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal axis) Waveform Monitor Peaking; Magnifying; Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each)
area, Safe area, Grid, Horizontal, Centre) Horizontal, Centre)	Size Dots Image quality adjustments Adjustable Waveform Monitor Focus Assist Peaking	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	920000 Brightness, contrast, colour, sharpness, backligh, black & white Yes (270 degree rotation about horizontal axis) Waveform Monitor Peaking: Magnifying: Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2; Both;
	Size Dots Image quality adjustments Adjustable Waveform Monitor Focus Assist Peaking Zebra	10.1 cm (4*) 1.23 million Brightness, contrast, colour, sharpness, backlight, black & white Left/right switchable Waveform Monitor and Vectorscope Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each) Level 1; Level 2: Both Output via HD-SDI (XF305) or HDMI On/Off (Aspect ratio, Aspect marker, Select	920000 Brightness, contrast, colour, sharpness, backlight, black & white Yes (270 degree rotation about horizontal awis) Waveform Monitor Peaking; Magnifying; Edge Monitor (using waveform display) Peaking 1, Peaking 2 (Colour, Gain, Frequency customsable for each) Level 1; Level 2; Both; Output via HD-501 (XF105) or HDMI On/Off (Aspect ratio, Safe area, Grid,

XF305 XF300 XF105 XF100

EVF		
Size	1.3cm (0.52")	0.61cm (0.24")
Dots	1.55 million	260000
Image quality adjustments	Brightness, contrast, colour, sharpness, backlight, black & white	Brightness, contrast, colour, backlight, black & white
Adjustable	Vertical tilt	Vertical tilt
Correction lens	+ 2.0 to -5.5 diopters	+ 2.0 to -5.5 diopter
INPUTS/OUTPUTS Audio in	XLR inputs with 48V phantom power x 2	XLR inputs with 48V phantom power (x2);
	All the the test of phantom power x 2	3.5mm mic input jack
Headphone output	3.5mm stereo jack	3.5mm stereo jack
Video monitor output	YES (BNC, composite Standard Definition video, output only)	NO
HDMI	YES (Type A, output only)	YES (Type A, output only)
IEEE 1394 (Firewire)	NO	NO
USB	YES (Mini-B, USB 2.0 Hi-Speed, output only)	YES (Mini-B, USB 2.0 Hi-Speed, output onl
HD/SD-SDI output	YES (BNC, output only, embedded audio and time code, XF305 only)	YES (BNC, output only, embedded audio and time code, XF105 only)
Time code	YES (BNC, switchable input/output, XF305	YES (BNC, switchable input/output, same
	only)	terminal used for Genlock, XF105 only)
Genlock	YES (BNC, input only, XF305 only)	YES (BNC, input only, same terminal used for Time code, XF105 only)
Component out	YES (D connector, output only)	YES (output only)
AV terminal	3.5mm mini jack (output only for video and	3.5mm mini jack (output only for video ar
DC input	audio) YES	audio) YES
Remote Control Terminal	2.5mm mini jack	2.5mm mini jack
Colour Bars	Type 1/Type 2 (EBU/SMPTE)	Type 1/Type 2 (EBU/SMPTE)
MISC		
Tally lamp	YES (x2)	YES (x2)
Accessory shoe Custom key	YES (cold shoe) YES (13 assignable buttons; select from	YES (cold shoe) YES (10 assignable buttons; select from
custon key	30 functions)	34 functions)
Custom Dial		YES (Iris, teleconverter, headphone volume
		Face AF, IR Lamp control)
EXPOSURE		
Exposure metering	Standard (centre weighted), Spotlight,	Standard (centre weighted), Spotlight,
Exposure range	Backlight 50 - 100,000 lux	Backlight 50 - 100.000 lux
Exposure compensation	-2 to +2 EV (13 steps)	-2 to +2 EV (13 steps)
Auto Exposure mode	Full Auto	Full Auto
Push Auto Iris	Yes	No
Auto Gain Control setting	Full Auto / AGC On / Manual	No Full Auto / AGC On / Manual
	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB;	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB
Auto Gain Control setting	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB /	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB /
Auto Gain Control setting Auto Gain Control limit	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (0FF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB /	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB / 24dB /
Auto Gain Control setting Auto Gain Control limit	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB /	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB /
Auto Gain Control setting Auto Gain Control limit Gain setting	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / OdB/ 3dB / 6dB/ 12dB / 18dB / 21dB / 33dB / TUNE (0.5 dB increments	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 15dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB / 24dB / 33dB / TUNE (0.5 dB increments from 0
Auto Gain Control setting Auto Gain Control limit	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / OdB/ 3dB / 6dB/ 12dB / 18dB / 21dB / 33dB / TUNE (0.5 dB increments from 0 to 21 dB))	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 24dB / 3dB / TUNE (0.5 dB increments from 0 to 24 dB)
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / OdB / 3dB / 6dB / 12dB / 18dB / 21dB / 33dB / TUNE (0.5 dB increments from 0 to 21 dB)) 3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed;	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 24dB / 14dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / OdB/ 3dB / 6dB/ 12dB / 18dB / 21dB / 33dB / TUNE (0.5 dB increments from 0 to 21 dB)) 3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS))	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto: Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / OdB / 3dB / 6dB / 12dB / 18dB / 21dB / 33dB / TUNE (0.5 dB increments from 0 to 21 dB)) 3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed;	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 24dB / 14dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter speed	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (~6dB / 3dB / 0dB / 3dB / dB/ 12dB / 18dB / 21dB / 33dB / TUNE (0.5 dB increments from 0 to 21 dB)) 3 position switch: OFF (Full Auto) / ON / SEL (Auto; Speed; Angle; Clear San (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB / 2adB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25% to 360% depending on frame rate 11.21% to 360% depending on frame rate
Auto Gain Control setting Auto Gain Control limit Gain setting Control Modes Shutter speed Shutter Angle Slow Shutter (SLS)	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (~6dB / 3dB / 0dB / 3dB / dB/ 12dB / 14dB / 21dB / 33dB / dB/ 12dB / 14dB / 21dB / 33dB / TUNE (0.5 dB increments from 0 to 21 dB)) 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	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) 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 1/25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on frame rate)
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) 4.scipnable L, M, H switch positions (~6dB / -3dB / 0dB / 3dB / dB / 12dB / 18dB / -3dB / 3dB / TUNE (0.5 dB increments from 0 to 21 dB)) 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	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB / 2adB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.25% to 360% depending on frame rate 11.21% to 360% depending on frame rate
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) 4ssignable L, M, H switch positions (-6dB / -3dB / 0dB/ 3dB / 6dB / 12dB / 18dB / 21dB / 33dB / TUNE (0.5 dB increments from 0 to 21 dB)) 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	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 24dB / 14dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) 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 13, 1/6, 1/12, 1/25 (depending on fram rate) Sol/p: S0 to 249.46Hz; 25p: 25 to
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB / 21dB / 3dB / TUNE (0.5 dB increments from 0 to 21 dB)) 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	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M. H settings (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 14dB / 24dB / 3dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter) 1/18 to 1/2000 depending on frame rate 1/2.5% to 360% depending on frame rate 1/3.1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 249.46Hz; 25p: 25 to 249.46Hz
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB / 21dB / 3dB / TUNE (0.5 dB increments from 0 to 21 dB)) 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 12.25% to 360% to 360% to 360% to 360% to 360% to 360% t	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dH / 2dd / 14dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); 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 249, 46Hz; 25p: 25 to 249.46Hz
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 18dB / 21dB / 3dB / TUNE (0.5 dB increments from 0 to 21 dB)) 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	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M. H settings (-6dB / -3dB / 0dB/ 3dB / 6dB/ 12dB / 14dB / 24dB / 3dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter) 1/18 to 1/2000 depending on frame rate 1/2.5% to 360% depending on frame rate 1/3.1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 249.46Hz; 25p: 25 to 249.46Hz
Auto Gain Control setting Auto Gain Control limit Gain setting Control Modes Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / 0dB / 3dB / dB/ 12dB / 18dB / 21dB / 3dB / TUNE (0.5 dB increments from 0 to 21 dB)) 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 11.35° to 360° depending on frame rate 11.35° to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten),	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 2dB / 18dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutte (SLS); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 1/3.5 to 12000 depending on frame rate 1/3.1/6, 1/12, 1/25 (depending on frame rate) 501/p: 50 to 249.46Hz; 25p: 25 to 249.46Hz
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (~6dB / 3dB / 0dB / 3dB / dB / 12dB / 18dB / 21dB / 3dB / dB / 12dB / 18dB / OFF (Full Auto) / ON / SEI (Auto: Speed; Angle: Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 1/2, 1/6, 1/12, 1/25 S0/rp: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 2dB / 18dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) 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 1/25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 249,46Hz; 25p: 25 to 249,46Hz YES A, B, Preset (Daylight, Tungsten), Colour femperature
Auto Gain Control setting Auto Gain Control limit Gain setting Control Modes Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M. H switch positions (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 21dB / 3dB / TUNE (0.5 dB increments from 0 to 21 dB)) 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 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	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB / 12dB / 18dB / 24dB / 02B / 3dB / 10NE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); IR Stow 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 11.3, 1/6, 1/12, 1/25 (depending on frame rate) 50/ip: So to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature 16-bit 2ch (48 kHz) linear PCM
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (~6dB / 3dB / 0dB / 3dB / dB / 12dB / 18dB / 21dB / 3dB / dB / 12dB / 18dB / OFF (Full Auto) / ON / SEI (Auto: Speed; Angle: Clear Scan (CS); Slow Shutter (SLS)) 1/18 to 1/2000 depending on frame rate 1/2, 1/6, 1/12, 1/25 S0/rp: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES A, B, Preset (Daylight, Tungsten), Colour Temperature	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 14dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) 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 1/25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour femperature
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset Auto Preset	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 21dB / 3dB / 7UNE (0.5 dB increments from 0 to 21 dB)) 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 11.25º to 360º depending on frame rate 11.25º to 360º depending on frame rate 13, 1/6, 1/12, 1/25 50i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB / 12dB / 18dB / 24dB / 02B / 3dB / 7UNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (15LS); R18 Slow Shutter) 1/18 to 1/2000 depending on frame rate 11.259 to 3600 depending on frame rate 11.259 to 3600 depending on frame rate 113, 1/6, 1/12, 1/25 (depending on frame rate) 50/tp: So to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour fremperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Acsignable L, M, H switch positions (~6dB / -3dB / 0dB / 3dB / dB / 12dB / 21dB / 33dB / dB / 12dB / 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 11.35° to 3251.15Hz; 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	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 14dB / 24dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) 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 1/25 to 360° depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on frame rate) 50i/p: 50 to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour femperature
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 21dB / 3dB / 7UNE (0.5 dB increments from 0 to 21 dB)) 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 11.25º to 360º depending on frame rate 11.25º to 360º depending on frame rate 13, 1/6, 1/12, 1/25 50i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB / 12dB / 18dB / 24dB / 02B / 3dB / 6dB / 12dB / 18dB / 24dB / 02 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (15LS); RS fow Shutter) 1/18 to 1/2000 depending on frame rate 11.259 to 3600 depending on frame rate 11.259 to 3600 depending on frame rate 113, 1/6, 1/12, 1/25 (depending on frame rate) 50/tp: S0 to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour fremperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset Auto Preset	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 21dB / 3dB / 7UNE (0.5 dB increments from 0 to 21 dB)) 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 11.25º to 360º depending on frame rate 11.25º to 360º depending on frame rate 13, 1/6, 1/12, 1/25 50i/p: 50 to 251.15Hz; 25p: 25 to 251.15Hz YES 16-bit 2ch (48 kHz) linear PCM Independent limiters and auto/manual settings YES	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dB / 12dB / 18dB / 24dB / 02B / 3dB / 6dB / 12dB / 18dB / 24dB / 02 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (15LS); RS fow Shutter) 1/18 to 1/2000 depending on frame rate 11.259 to 3600 depending on frame rate 11.259 to 3600 depending on frame rate 11.250 to 3600 depending on frame rate 113, 1/6, 1/12, 1/25 (depending on frame rate) 50/tp: S0 to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour fremperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan Clear Scan WHITE BALANCE Auto Preset Auto Preset Auto Shutter Shutter Auto Preset Auto Shutter Sh	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Acsignable L, M. H switch positions (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 21dB / 3dB / 7UNE (0.5 dB increments from 0 to 21 dB)) 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 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 YES YES	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB /-3dB / 0dB/3dB / 6dB /12dB /18dB /24dB / 024 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); RS for Swithter) 1/18 to 1/2000 depending on frame rate 11.259 to 3600 depending on frame rate 11.259 to 3600 depending on frame rate 113, 1/6, 1/12, 1/25 (depending on frame rate) 50/tp: So to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour fremperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan Clear	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (~6dB / 3dB / 0dB / 3dB / dB1 / 3dB / 21dB / dB1 / dB1 / 2dB / 25d / dB1 / dB1 / 2dB / 25d / dB1 / dB1 / dB1 / dB1 / 25d / dB1 / dB1 / dB1 / dB1 / 25d / dB1 / dB1 / dB1 / dB1 / dB1 / 25d / dB1 / 25d / dB1 / dB	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB /-3dB / 0dB/3dB / 6dB /12dB /18dB /24dB / 024 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); RS for Swithter) 1/18 to 1/2000 depending on frame rate 11.259 to 3600 depending on frame rate 11.259 to 3600 depending on frame rate 113, 1/6, 1/12, 1/25 (depending on frame rate) 50/tp: So to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour fremperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone level meter Backup power Supply Power Consumption	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Acsignable L, M. H switch positions (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 21dB / 3dB / 17UNE (0.5 dB increments from 0 to 21 dB)) 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 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 (448 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 ¹ (XF305)/295 mins ² (XF300) Optional BP-975; Approx, 406 mins' (XF300) Participants	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB /-3dB / 0dB/3dB / 6dB /12dB /18dB /24dB / 024 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); RS for Swithter) 1/18 to 1/2000 depending on frame rate 11.259 to 3600 depending on frame rate 11.259 to 3600 depending on frame rate 113, 1/6, 1/12, 1/25 (depending on frame rate) 50/tp: So to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour fremperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan Clear Scan WHITE BALANCE Auto Preset AUDIO Recording Control Microphone attenuation Microphone level meter Backup power Supply Power Consumption	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (~6dB / 3dB / 0dB / 3dB / dB / 14dB / 21dB / 3dB / dB / dB / 4000 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 11,31% to 11/2000 depending on frame rate 11,35% to 351.15Hz; 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 YES	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB /-3dB / 0dB/3dB / 6dB /12dB /18dB /24dB / 024 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); RS for Swithter) 1/18 to 1/2000 depending on frame rate 11.259 to 3600 depending on frame rate 11.259 to 3600 depending on frame rate 113, 1/6, 1/12, 1/25 (depending on frame rate) 50/tp: So to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour fremperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Auto Gain Control setting Auto Gain Control limit Gain setting Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset Auto Preset Auto Preset Backup power Supply Power Consumption Continuous Recording	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Acsignable L, M. H switch positions (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 21dB / 3dB / 17UNE (0.5 dB increments from 0 to 21 dB)) 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 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 (448 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 ¹ (XF305)/295 mins ² (XF300) Optional BP-975; Approx, 406 mins' (XF300) Participants	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB /-3dB / 0dB/3dB / 6dB /12dB /18dB /24dB / 024 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (5LS); RS for Swithter) 1/18 to 1/2000 depending on frame rate 11.259 to 3600 depending on frame rate 11.259 to 3600 depending on frame rate 113, 1/6, 1/12, 1/25 (depending on frame rate) 50/tp: So to 249.46Hz; 25p: 25 to 249.46Hz YES A, B, Preset (Daylight, Tungsten), Colour fremperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan Clear	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Acsignable L, M, H switch positions (-6dB / 3dB / 0dB / 3dB / dB / 12dB / 18dB / 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 11,25º to 360º depending on frame rate 11,3 n / 6, 1/12, 1/25 Solirp: S0 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 YES 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied EP-955; Approx, 260 mins ¹ (XF305) / 75; Approx, 405 mins ¹ (XF305)/450 mins ² (XF300)	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 2dB / 18dB / 2dB / 2dB / 2dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); RS 1000 depending on frame rate 11.259 to 360° depending on frame rate 11.259 to 360° depending on frame rate 11.31 / 16, 1/12, 1/25 (depending on frame rate) 501/p: 50 to 249.46Hz; 25p: 25 to 249.46Hz 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
Auto Gain Control setting Auto Gain Control limit Gain setting Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan WHITE BALANCE Auto Preset Auto Preset Auto Preset Backup power Supply Power Consumption Continuous Recording	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Acsignable L, M. H switch positions (-6dB / -3dB / 0dB / 3dB / 6dB / 12dB / 18dB / 21dB / 3dB / 17UNE (0.5 dB increments from 0 to 21 dB)) 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 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 (448 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 ¹ (XF305)/295 mins ² (XF300) Optional BP-975; Approx, 406 mins' (XF300) Participants	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB / 3dB / 6dB / 2dB / 14dB / 2dB / 33dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); RS Slow Shutter) 1/18 to 1/2000 depending on frame rate 1/2, 1/2, 1/25 (depending on frame rate 1/3, 1/6, 1/12, 1/25 (depending on frame rate) 50/JP: 50 to 249,46Hz; 25p: 25 to 249,46Hz 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
Auto Gain Control setting Auto Gain Control limit Gain setting SHUTTER SPEED Control Modes Shutter Speed Shutter Angle Slow Shutter (SLS) Clear Scan Clear	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Acsignable L, M, H switch positions (-6dB / 3dB / 0dB / 3dB / dB / 12dB / 18dB / 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 11,25º to 360º depending on frame rate 11,3 n / 6, 1/12, 1/25 Solirp: S0 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 YES 9.1 W2 (XF305) / 7.3 W3 (XF300) Time Supplied EP-955; Approx, 260 mins ¹ (XF305) / 75; Approx, 405 mins ¹ (XF305)/450 mins ² (XF300)	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/3dB / 2ddB / 12dB / 18dB / 24dB / 0dB/3dB / TUNE (0.5 dB increments from 0 to 24 dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (1255); RS flow Shutter) 1/18 to 1/2000 depending on frame rate 11.25v to 360° depending on frame rate 12.49.46Hz YES A, B, Preset (Daylight, Tungsten), Colour Femperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES Lithium coin battery (built-in)
Auto Gain Control setting Auto Gain Control limit Gain setting Control Modes Shutter speed Shutter Angle Slow Shutter (SLS) Clear Scan Clear Scan Clear Scan Clear Scan Auto Preset Auto Preset Auto Preset Backup power Supply Power Consumption Continuous Recording Continuous Recording Backup power Supply Power Consumption Continuous Recording	Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; (OFF/21 dB) Assignable L, M, H switch positions (~6dB / 3dB / 0dB / 3dB / dB1 / 14dB / 21dB / 13dB / dB1 / 14DF (0.5 dB increments from 0 to 21 dB)) 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 11.259 to 3609 depending on frame rate 11.259 to 3609 depending on frame rate 11.259 to 3609 depending on frame rate 11.359 to 3509 depending on frame rate 11.359 to 351.15Hz; 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 YES VES	No Full Auto / AGC On / Manual 3dB; 6dB; 9dB; 12dB; 15dB; 18dB; 21dB (OFF/24dB) Assignable L, M, H settings (-6dB / -3dB / 0dB/ 3dB / 6dH / 2dB / 1dB / 2dB / 2d dB) Full Auto / Manual joystick control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (155); IR Slow Shutter) 1/18 to 1/2000 depending on frame rate 1/2, 1/6, 1/12, 1/25 (depending on frame rate) 1/3, 1/6, 1/12, 1/25 (depending on frame rate) 50/pr; 50 to 249, 46Hz; 25p: 25 to 249, 46Hz YES A, B, Preset (Daylight, Tungsten), Colour Fermperature 16-bit 2ch (48 kHz) linear PCM Audio limiter, Auto/manual settings via control dials on handle YES YES

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

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

2. 50Mbps CBR mode, using EVF.

Professional Camcorder range

Canon Inc. canon.com

Canon Europe canon-europe.com

English Edition 0148W009 © Canon Europa N.V. 2010 (1010) Canon (UK) Ltd

Woodhatch, Reigate Surrey RH2 8BF Telephone No: 01737 220000 Facsimile No: 01737 220022 canon.co.uk

Canon Ireland

Arena Road, Sandyford Industrial Estate Dublin 18, Ireland Telephone No: 01-2052400 Facsimile No: 01-2958141 canon.ie

