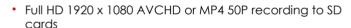# XA15 / XA11

A COMPACT, PROFESSIONAL FULL HD CAMCORDER WITH 20x OPTICAL ZOOM

For fast, compact, and powerful performance XA15 / XA11 offers a remarkable combination of portability, image quality and professional interfaces. With a Canon 20x HD Optical Zoom lens and an HD CMOS Pro Image Sensor with improved low-light performance, the XA15 / XA11 captures superb Full HD video.

- Full HD 1920 x 1080 AVCHD or MP4 50P recording to SD cards

- HD CMOS Pro sensor with high sensitivity

- 20x Optical zoom with a wide 28.8mm lens plus 5-Axis Image Stabilizer

- Wide DR and Highlight Priority modes

- Slow and fast recording modes

- 3.0-inch touchscreen

- 2 channel audio recording

- SDI output (XA15 only)

20x OPTICAL ZOOM

FULL HD 1080

CANON DiG!C DV 4

OPTICAL WIDE-ANGLE LENS

8-Bladed Circular Aperture

WIDE DR Gamma

PRODUCT RANGE

XF105 / XF100

XA35 / XA30

XA15 / XA11

XF405 / XF400 (4K)
XC15 / XC10 (4K)
XF305 / XF300
XF205 / XF200
XF105 / XF100
XA35 / XA30
XA15 / XA11

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TECHNICAL SPECIFICATIONS

XA15 / XA11

IMAGE SENSOR

Sensor	1/2.84 inch type HD CMOS Pro
Filter	RGB Primary Colour filter (Bayer array)
Total pixels	3.09 megapixels (2208 x 1398)
Effective pixels per sensor	2.91 megapixels (2136 x 1362)
Minimum illumination	Low Light Mode Approx. 0.1 Lx. Auto Mode (Auto Slow Shutter selected Approx. 1.0Lx)
Horizontal Resolution (External via SDI, XA15)	900 TV lines

LENS

Zoom ratio	20 x Optical
Focal length	3.67 - 73.4mm (35mm equivalent: 28.8 - 576mm)[1]
Minimum focus distance	60cm (throughout zoom range); 10mm (Wide MACRO setting)
ND filter	Built-in gradation ND filter
Zoom control	Zoom rockers on body and handle; Selectable manual zoom/focus ring on lens; Selectable High Speed and Soft Zoom modes available.
Zoom speed	Zoom Rocker: Variable speed/Fixed speed (Fast/Normal/Slow, 16 speed level settings available in each mode); Grip zoom: Fixed speed (Fast/Normal/Slow, 16 speed level settings available in each mode) Zoom Ring: As operation speed
Focus control	Manual control via focus ring, automatic (Instant AF, Medium AF, TV AF, Face Detection AF, Face Only AF), Push AF
Iris control	Ring control; Full Auto
Aperture range	f1.8 - f16
Filter diameter	58mm
Lens elements/groups	12/10
Aperture blades	8 Blade Circular Aperture
Image stabilization system	Dynamic IS and Powered IS, 5 Axis image stabilisation
Digital zoom/Teleconverter	2 x Tele Converter, x400 Digital Zoom

IMAGE PROCESSOR

Type	DIGIC DV 4
Sampling accuracy	4:2:0 AVCHD/MP4
Bit depth	8 bit

EXPOSURE CONTROL

Exposure metering	Centre-weighted average metering: In the P, Av, Tv, Cinema, Portrait, Sports, Low Light and IR modes Segment evaluative metering: Snow, Beach, Sunset, Spotlight, Night modes No metering: Fireworks; Fixed exposure [1/60 sec. (PAL: 1/50 sec.)], M (manual exposure);
Exposure Control Options	AUTO mode: Smart Auto, Manual mode: P, Tv, Av, M (manual exposure), SCN (Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks) Cinema mode: P, Tv, Av, M
Exposure compensation	± 12 steps, Displayed as EV value; 0 EV - ±3.0 EV
Auto Exposure mode	Full Auto
Push Auto Iris	No
Gain Control setting	Full Auto/AGC Limit/Manual
Auto Gain Control limit	In manual exposure (P, Av, and Tv modes): 0-24 dB (in 1 dB increments), In the Cinema mode: 0-18 dB (in 1 dB increments), In the Wide DR mode: 6-24 dB (in 1 dB increments)
Gain setting	During M (manual) shooting: The gain can be set in 1 dB steps from 0 dB to 24 dB In the cinema mode: The gain can be set in 1 dB steps from 0 dB to 18 dB. When Image Effects is set to "Look" and Wide DR is set, the lowest sensitivity is 6 dB

SHUTTER

Control Modes	Full Auto / Manual control (Auto; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS); IR Slow Shutter)
Shutter speed	1/6 to 1/2000 depending on frame rate and operating mode
Clear Scan	No

INFRA-RED

Infrared shooting mode	YES (green or white)
Built-in IR lamp	YES, in handle unit

MISC.

Stored Configurations	Cinema standard, Vivid, Dream, Cool, Sepia, Old Movies, Memory Wide DR, Highlight Priority
Storage Medium	SD/SDHC memory card
Colour Bars	YES (SMPTE or EBU), with 1KHz Tone (Tone via Audio Menu)

RECORDING

Video storage media	SD Card x 2 Dual Format recording, Double slot (simultaneous) recording and Relay (continuous) recording possible.
Type	SD card Class 4 or higher, Class 6 & 10 recommended for 35Mbps MP4 recording
Recording time	128GB SD Card:MP4: up to 8 Hours (50P @35Mbps) AVCHD up to 10 hours 10 Minutes)5p @28Mbps
Recording file format	MPEG-4/AVC/H.264
Recording format	AVCHD: 28/24/17/5Mbps; MP4: 35/24/17/9/3 Mbps; All modes variable bit rate, 4:2:0 colour sampling
Recording frame rate (PAL)	AVCHD: 28Mbps 50.00P,1920 x 1080, 24/17Mbps 1920 x 1080 50.00i/PF25 5Mbps 1440 x 1080 50i/PF25 MP4: 35Mbps 1920 x 1080: 50P 24/17Mbps 1920 x 1080:25P 8/4 Mbps 1280 x 720: 25P 3Mbps 640 x 360: 25P
Slow/Fast motion	YES (MP4 recording Only) 50.00P (35 Mbps) x2 17.5 Mbps 25.00P (24 Mbps or 17 Mbps) x0.5, x2, x4, x10, x20, x60, x120, x1200
Interval Record	NO
Frame Record	YES. 2, 6 or 12 frames
Pre Record (cache record)	YES (3 seconds)
Scan Reverse	YES. Vertical/horizontal/both

AUDIO

Recording	16-bit 4ch or 2ch (48 kHz) linear PCM
Control	Audio limiter, Auto/manual settings via control dials on handle
Microphone attenuation	YES
Microphone level meter	YES
Photo storage media	SD/SDHC/SDXC memory card
Still quality	During video recording: 1920 x 1080 in 1920 x 1080 or 1440 x 1080 mode,1280 x 720; 1280 x 720 mode During playback: 1920x1080

WHITE BALANCE

Auto	New white sampling system FAWB. Settings include auto, set 1, set 2, colour temperature setting and pre-set.
Pre-set	Six presets: [Daylight: approx. 5,400K], [Shade: approx. 8,000 - 8,500K], [Cloudy: approx. 6,500K], [Tungsten (incandescent or halogen bulb): approx. 3,100K], [Fluorescent H (3-wavelength fluorescent): approx. 7,000K], [Fluorescent (white fluorescent): 5,000K]

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Colour Temperature Setting	The colour temperature (Kelvin) setting ranges from 2,000K to 15,000K (in 100K steps). WB cannot be selected in the SCN or AUTO mode. Auto adjustment range: 2,800K - 8,000K

TIMECODE

Count up system	Regen, RecRun, Free Run, External, Hold
Start value setting	"00:00:00:00", Set/Reset selectable

PANEL

Type	Capacitive Touch Panel
Size	3.0-inch (7.5 cm)
Dots	Approx. 460,000 dots
Image quality adjustments	Brightness
Adjustable	Yes
Waveform Monitor	No
Focus Assist	Peaking; Magnifying; Edge Monitor (using waveform display)
Peaking	Yes. Colour selectable
Zebra	Yes. 70% or 100%
Markers	On/Off ; Level (White/Grey), and Grid (White/Grey)

ELECTRONIC VIEW FINDER (EVF)

Size	0.24-inch (0.61 cm),
Dots	approx. 1.56 million dots,
Adjustable	Vertical tilt, up to 45°
Field of View Coverage	100%
Correction lens	+ 2.0 to -5 dioptre

INPUT/OUTPUT TERMINALS

Audio in	x2 XLR Input on Handle Unit. Line, Mic or 48V Phantom Power), 3.5mm microphone input jack
Headphone output	3.5mm stereo jack
HDMI	YES
USB	YES (Mini-B, USB 2.0 Hi-Speed, output only)
HD/SD-SDI output	YES, BNC, output only, Video, embedded audio and time code. (XA15 Only)
LAN	No
AV terminal	3.5mm mini jack (output only for video and audio)
DC input	YES
Remote Control Terminal	No

OTHER FEATURES

Tally lamp	YES in Handle Unit
Accessory shoe	YES (cold shoe)
Custom Button Assignment	YES 5 Assignable Buttons. Select from: Powered IS / BLC Always On / Face Only AF / Video Snapshot / WB Priority / Pre Rec / IR Light / Audio Output CH / [AF/MF] /Rec Review / Rec.Programs / BLC Always On / White balance / AGC Limit / Focus / Exposure / Audio Scene / Mic level / Zoom / Image Stabilizer / Image Effects / [Off]
Custom Dial	Yes. Tv/Av/Manual exposure/AGC Limit/Exposure/Off
Wireless LAN standards	None
Supported Wi-Fi Functions	None
Supported Browser for Remote Operation	None

Remote Operation Control Features	None
Live view image Resolution	None
Authentication Systems	None
Encryption	None
GPS Information (Optional Accessory)	Real-time display of Latitude, Longitude, Elevation, UTC and Satellite Reception

ACCESSORIES

Supplied	Lens hood with barrier, Mic holder unit (w/ screw), Handle unit (HDU-1), Compact power adapter (CA-570), AC cord , Battery Pack BP-820
Optional	Canon Battery Pack BP-820 (supplied)/BP-828,Canon Compact Power Adapter CA-570 (supplied with XA15 / XA11) Canon Battery Charger CG-800E, Canon High speed HDMI cable HTC-100, Canon High speed HDMI cable HTC-100/ High speed HDMI cable HTC-100/S, Canon Stereo Video Cable STV-250N,Canon Interface Cable IFC-300PCU/S / IFC-400PCU, Canon Tele Converter TL-H58, Canon Wide Attachment WA-H58, Canon Soft Carrying Case SC-1000, SC-2000, Canon Wrist Strap WS-20, Canon Shoulder Strap SS-600/650, Canon PROTECT Filter 58 mm, Canon ND4-L Filter 58 mm, Canon ND8-L Filter 58 mm, Canon GPS Receiver GP-E2 Canon Battery Video Light VL-10Li/VL-10LiII (Models A/B only) Canon Battery Pack BP-900 series (for VL-10Li/VL-10LiII) Canon Compact Power Adapter CA-910/920/930 (charges BP-900 series battery packs) Canon Car Battery Adapter CB-910/920 (for charging the BP-900 series)

POWER

Power Consumption	Max 4.9W (Approx.) MP4 recording, 35Mbps
Battery	BP-820(supplied)BP-828 (Optional)
Continuous Recording Time (approx.)	MP4 recording, 35Mbps: 145 Minutes (BP-820); 220 Minutes (BP-828)

SIZE AND WEIGHTS

Dimensions	Approx. 131 x 180 x 231 mm (approx. 5.2 x 7.1 x 9.1 in.) [Including lens hood, mic holder unit, and handle unit]
Weight (camera only)	XA15: Approx. 750 g (1.7 lb) XA11: Approx. 745 g (1.6 lb)
Weight (fully equipped)	XA15: Approx. 1140 g (2.5 lb) XA11: Approx. 1135 g (2.5 lb) Includes lens hood, mic holder unit, handle unit, BP-820, and 1 memory card
Operating Temperature range	Approx. -5 to 45°C, 60% (relative humidity) Approx. 0 to 40°C, 85% (relative humidity)

Footnotes

[1] 26.8mm - 576mm when wide view angle option selected.

All specifications are subject to change without notice

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Sales Start Date: Sep 2017

PRODUCT DETAILS:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
XA15 (GB)	2217C006AA	8714574654409	<Please fill in RRP>
XA11 (GB)	2218C005AA	8714574654416	<Please fill in RRP>

OPTIONAL ACCESSORIES:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
Battery BP-820	8597B002AA	4960999984490	<Please fill in RRP>
Battery BP-828	8598B002AA	4960999984520	<Please fill in RRP>
CA-570 Compact Power Adapter E	8468A003AA	4960999184784	<Please fill in RRP>
CA-570 Compact Power Adapter B (UK model)	8468A004AA	4960999184791	<Please fill in RRP>
Battery Charger CG-800E	2590B003AA	4960999612188	<Please fill in RRP>
Battery Charger CG-800E(B) (UK model)	2590B006AA	4960999610573	<Please fill in RRP>
Soft carrying case SC-2000	9389A001AA	4960999209852	<Please fill in RRP>
HDMI cable HTC-100	2384B001AA	4960999530383	<Please fill in RRP>
GPS receiver GP-E2	6363B001AA	4960999848358	<Please fill in RRP>
Tele-converter TL-U58	2493C001AA	4549292105391	<Please fill in RRP>
Wide attachment WA-U58	2494C001AA	4549292105407	<Please fill in RRP>

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MEASUREMENT / LOGISTIC INFORMATION:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Gross Weight (kg)
XA15 (GB) XA11 (GB)	2217C006AA 2218C005AA	EA	Each	1	278.5	274	218	2.398
		CT	Carton	2	561	292	239	5.42
		EP	Euro Pallet	48	1200	1000	1110	275.16
			Layers per Pallet	4				
			Cartons per Layer	6				
			Products per layer	24				

What's in the box?

- XA15 / XA11
- Handle Unit HDU-1
- Lens Hood with Lens Barrier
- Compact Power Adaptor CA-570
- Mic Holder
- Battery Pack BP-820

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