

XA40

ULTRA-COMPACT, PROFESSIONAL 4K XA-SERIES CAMCORDER WITH 20X ZOOM LENS

The XA40 features a 1/2.3-type CMOS Sensor along with DIGIC DV6 image processor delivering 4K UHD. Full HD image quality is improved thanks to Over Sampling HD Processing. The XA40 features a lens with 20x optical zoom with 29.3mm wide angle.



- Ultra-compact professional 4K UHD camcorder
- 4K 20X optical zoom lens with wide angle
- Infrared recording capability
- Slow and Fast Motion recording
- Lightweight and compact with professional features



Over Sampling
HD Processing



INFRARED



Touch Screen

PRODUCT RANGE



XA55 / XA50
(4K UHD)



XA40 (4K UHD)



XA15 / XA11 (Full HD)

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TECHNICAL SPECIFICATIONS

XA40

CAMERA

IMAGE SENSOR

Sensor
Filter
Total pixels
Effective pixels
Subject illumination range
Minimum illumination (PAL)

1/2.3-type CMOS
 RGB Primary Colour Filter
 Approx. 21.14MP
 Approx. 8.29 MP (3840 x 2160)
 Approx. 0.3 lx to 100,000 lx
 P Mode: Approx. 4.2 lx (shutter speed 1/25 sec with auto slow shutter On)
 Low Light Mode: Approx. 0.3 lx (shutter speed 1/2 sec.)

LENS

Zoom ratio
Focal length (35mm equivalent)
Minimum focus distance
Aperture
Aperture blades
Filter diameter
Image stabilization system

20x optical
 Approx. 29.3 - 601mm Standard IS/IS Off
 10 mm at wide end, 60 cm across entire zooming range
 f/1.8 - 2.8 (AV Priority and Manual Modes)
 8 blades
 58mm
 Optical system (lens shift) + electronic stabilization
 Dynamic, Standard, Powered, Off
 Built-in gradation filter (Auto or Off)

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

Variable (body rocker only) or Constant speed (body and handle rocker; Fast/Normal/Slow, 16 speed level settings in each)

Focus control

MANUAL: Lens ring and touchscreen point selection (Magnify and Peaking assist functions), Focus Preset.
 AUTOFOCUS: Touchscreen AF point selection, Face Detection and Tracking, Touch and Track, Face Only AF.
 (Instant AF, Medium AF, Normal AF)

Focus System

Hybrid AF, Normal AF

Iris control

Touchscreen, Auto

Digital zoom/Teleconverter

400x Digital Zoom, 2x Digital Teleconverter

IMAGE PROCESSOR

Type
Colour Sampling
Bit depth

DIGIC DV 6
 YCC 4:2:0
 8-bit

RECORDING

Video storage media
Type
Recording time (64GB Card, approx.)
Recording file system
Internal recording format (PAL)
External recording output (PAL)

SD/SDHC/SDXC card (2 card slots)
 Class U3 cards recommended
 150Mbps: 55 mins / 35Mbps: 240 mins / 17Mbps: 495 mins
 FAT32/exFAT
 MP4: 3840 x 2160 (150Mbps) / 1920 x 1080 (35/17 Mbps)
 HDMI output (Camera mode):
 UHD recording mode: 1920 x 1080 25.00P YCC4:2:2 8-bit
 Full HD recording mode: 1920 x 1080 50.00P/25.00P;
 1280 x 720 50.00P YCC4:2:2 10-bit

External monitoring
Recording frame rate (PAL)
Slow/Fast motion (PAL)

HDMI (50.00i)
 25.00P (UHD), 50.00P/25.00P (Full HD)
 3840 x 2160 / 25.00P: x2, x4, x10, x20, x60, x120, x600, x1200
 1920 x 1080 / 50.00P: x2, x4, x10, x20, x60, x120, x600, x1200
 1920 x 1080 / 25.00P: x0.5

Pre Recording function
Still photos

Yes, 3 seconds
 JPEG up to 3840x2160
 (Still image resolution is dependent on the video resolution)

Photo storage media

SD Card

AUDIO

Recording
Audio control

MPEG-2 AAC-LC (16-bit 2ch) / LPCM (16-bit 4ch)
 Manual/Auto
 Independent 2ch Line/Mic/Mic+48V input;
 Independent level control per channel (-∞ to +18 dB);
 Independent audio limiters (2 ch);
 Input mic trimming
 1KHz, -12dB / -18dB / -20dB / Off
 Auto/On/Off (20dB)
 Yes

Reference tone
Microphone attenuation
Microphone level meter

SYSTEM

MONITORING PANEL
Type
Size
Waveform Monitor
Focus Assist
Peaking
Zebra
Markers

Capacitive LCD touch panel
 3.0-inch (7.5 cm, approx. 460,000 dots)
 No
 Peaking / Magnify
 Selectable Peaking Colour: Red / Blue / Yellow
 70% or 100% reference level
 Grid (white/grey) and Level (white/grey)

VIEWFINDER

Size
Correction lens

0.24-inch, approx. 1.56 million dots
 +2.0 to -5 dioptre

INPUTS/OUTPUTS

Audio input

XLR 3-pin jack (x2) with 48V phantom power, Line and Mic options on detachable handle,
 3.5mm microphone input jack (Supply Voltage 2.4V DC), Built-in Mic

Headphone output

3.5mm stereo mini jack

HDMI output

HDMI™ mini connector

USB

Mini-B, Hi-Speed USB, PTP class supported

SDI output

No

Time code

Superimposed on HDMI output signal (Camera Mode only)

Genlock

No

LAN

No

AV terminal

No

DC input

3.4mm jack

Remote Control Terminal

2.5mm mini jack

SHOOTING FUNCTIONS

EXPOSURE

Exposure metering

Centre-weighted average or segment evaluative (determined by shooting mode)
 No metering: Fireworks mode, Fixed exposure (1/50 sec.)

Exposure compensation

Highlight AE, Exposure lock, Auto backlight compensation, Exposure compensation amount shown as ±3 when locked (±12 increments) or ±2 in AUTO (±8 increments).

Exposure Lock

Yes.

Auto Gain Control setting

Auto / Manual

Auto Gain Control limit

0 - 24dB (1dB increments)

SHUTTER SPEED

Control modes

Auto, P, Tv, Manual

Shutter speed

1/6 - 1/2000 sec
 (1/2 - 1/500 sec in Low Light mode)

Slow Shutter (SLS)

50.00P:
 Auto slow shutter On: 1/25 to 1/500 sec.
 Auto slow shutter Off: 1/50 to 1/500 sec.

25.00P:
 Auto slow shutter On: 1/12.5* to 1/500 sec.
 (*Display is 1/12)
 Auto slow shutter Off: 1/25 to 1/500 sec.

Clear Scan

No

WHITE BALANCE

Auto

Yes

Preset

Daylight (Approx. 5,600K), Tungsten (Approx. 3,200K)

Manual setting

Colour Temperature range: 2,000-15,000K
 Default value for Set 1 and Set 2: 5,600K



TECHNICAL SPECIFICATIONS

XA40

SHOOTING MODES

Program AE

AUTO Mode
Manual Mode: P, Tv, Av, M (manual exposure), SCN (Portrait, Sports, Snow, Beach, Sunset, Night, Low Light, Spotlight, Fireworks)

Infrared shooting mode

Yes (green or white)

Built-in IR lamp

Yes, in detachable Handle Unit.
Wavelength: 850nm (near-Infrared)

Look settings

Standard
(Adjustment: Sharpness, Contrast, Colour Depth)

WI-FI & GPS SPECIFICATIONS

Wi-Fi

No

GPS Information (Optional Accessory)

Location (Latitude/Longitude/Altitude), Coordinated Universal Time (UTC), Satellite reception.
(requires the optional GPS Receiver GP-E2)

MISCELLANEOUS

Tally lamp

Yes, in detachable Handle Unit

Colour Bars (PAL)

Yes, SMPTE or EBU, with 1KHz Tone

Accessory shoe

Yes (cold shoe)

Assignable buttons

5 assignable Buttons: Assignable to (AF/MF) / Face Only AF / Magnification / BLC Always On / Powered IS / Auto Acquire WB / WB Priority / IR Light/ Pre REC / Review Recording / PHOTO / Monitor Channels / Menu / Off

Custom dial

Tv / Av / M / AGC Limit / Exposure Compensation / Off

TIME CODE

Count-up system

Regen / Rec Run / Free Run / Preset (Non-Drop Frame)

Time Code out

Via HDMI out, Superimposed on output, Camera Mode only

ACCESSORIES

Supplied

Lens hood with barrier, Mic holder unit, Handle Unit HDU-1, Battery Pack BP-820, Compact Power Adapter CA-570, AC Cable, Ferrite core, Lens Cap
Canon Battery Pack BP-820/BP-828, Canon Compact Power Adapter CA-570 (included with camera), Canon Battery Charger CG-800E/CG-800, Canon HDMI cable HTC-100/HTC-100S, Canon Tele Converter TL-H58, Canon Wide Attachment WA-H58, Canon Soft Carrying Case SC-1000/SC-2000, Canon Shoulder Strap SS-600/SS-650, Wrist Strap WS-20, Canon PROTECT Filter 58mm, Canon ND4-L Filter 58mm, Canon ND8-L Filter 58mm, Canon GPS Receiver GP-E2, Canon Remote Controller RC-V100, Canon Battery Video Light VL-10Li/VL-10LiII, Canon Battery Pack BP-900 series (for VL-10Li/VL-10LiII), Canon Compact Power Adapter CA-910/920/930 (for charging BP-900 series), Canon Interface Cable IFC-300PCU/S / IFC-400PCU

Optional (Includes items not currently on sale)

BATTERY

Battery Pack

Canon Battery Pack BP-820 (supplied), BP-828 (optional)

UHD/150Mbps: Approx. 4.1W (25.00P)

Power Consumption (recording)

Continuous Recording Time (approx.)

UHD/150Mbps/25.00p: 175 mins (BP-820) / 270 Mins (BP-828)
FHD/35Mbps/50.00p: 175 mins (BP-820) / 270 Mins (BP-828)

SIZE AND WEIGHT

Dimensions

Approx. 109 x 84 x 182 mm (main body only)
Approx. 131 x 180 x 231 mm (including lens hood, BP-820, mic holder unit, and handle unit)

Weight (camera only)

Approx. 730g

Weight (fully equipped)

Approx. 1120g

Operating temperature range

-5 to +45°C, 60% relative humidity
0°C to +40°C, 85% relative humidity

Disclaimers

All specifications are subject to change without notice
Specification given for PAL Version

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Canon Inc.
canon.com
Canon Europe
canon-europe.com
English edition
Canon Europa NV 2019

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Sales Start Date: April 2019



PRODUCT DETAILS:

Product Name	Mercury Code	EAN Code
XA40 EU8	3666C003AA	4549292139648

OPTIONAL ACCESSORIES

Accessories	Mercury Code	EAN Code
Battery BP-820	8597B002AA	4960999984490
Battery BP-828	8598B002AA	4960999984520
Battery Charger CG-800	2590B003AA	4960999612188
Battery Charger CG-800E(B)	2590B006AA	4960999610573
Remote Controller RC-V100	9660B001AB	4549292014013
Video Light VL-10Li II	1729B001AA	4960999408316
Shoulder Strap SS-600	3122A001BA	4960999605913
Shoulder Strap SS-650	3123A001BA	4960999605951
Wrist Strap WS-20	3118A001BA	4960999600314
Soft carrying case SC-2000	9389A001AA	4960999209852
HDMI cable HTC-100	2384B001AA	4960999530383
GPS receiver GP-E2	6363B001AA	4960999848358
TL-H58	3573B001AA	4549292105391
WA-H58	8640B001AA	4549292105407

The Canon logo, consisting of the word "Canon" in its signature red font.

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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)
XA40 EU8	3666C003AA	EA	Each	1	279	274	218	2.35
		CT	Carton	2	561	292	239	5.33
		EP	Euro Pallet	32	120	80	110.6	95.3
			Layers per Pallet	4				
			Cartons per Layer	4				
			Products per layer	8				

What's in the box?

- XA40 body
- Lens cap
- Lens hood with lens barrier
- Microphone Holder Unit
- Screws for Microphone Holder Unit
- Handle Unit HDU-1
- CA-570 Compact Power Adapter
- Ferrite core
- AC Cable EU
- BP-820 Battery Pack
- Printed Materials

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