

TECHNICAL SPECIFICATIONS

XA40

CAMERA		AUDIO	
IMAGE SENSOR		Recording	MPEG-2 AAC-LC (16-bit 2ch) / LPCM (16-bit 4ch)
Sensor	1/2.3-type CMOS	Audio control	Manual/Auto Independent 2ch Line/Mic/Mic+48V input; Independent level control per channel (-∞ to +18 dB); Independent audio limiters (2ch); Input mic trimming 1KHz, -12dB / -18dB / -20dB / Off Auto/On/Off (20dB) Yes
Filter	RGB Primary Colour Filter		
Total pixels	Approx. 21.14MP	Reference tone	
Effective pixels	Approx. 8.29 MP (3840 x 2160)	Microphone attenuation	
Subject illumination range	Approx. 0.3 lx to 100,000 lx	Microphone level meter	
Minimum illumination (PAL)	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.)		
		SYSTEM	
LENS		MONITORING PANEL	
Zoom ratio	20x optical	Type	Capacitive LCD touch panel
Focal length (35mm equivalent)	Approx. 29.3 - 601mm Standard IS/IS Off	Size	3.0-inch (7.5 cm, approx. 460,000 dots)
Minimum focus distance	10 mm at wide end, 60 cm across entire zooming range	Waveform Monitor	No
Aperture	f/1.8 - 2.8 (AV Priority and Manual Modes)	Focus Assist	Peaking / Magnify
Aperture blades	8 blades	Peaking	Selectable Peaking Colour: Red / Blue / Yellow
Filter diameter	58mm	Zebra	70% or 100% reference level
Image stabilization system	Optical system (lens shift) + electronic stabilization Dynamic, Standard, Powered, Off	Markers	Grid (white/grey) and Level (white/grey)
ND filter	Built-in gradation filter (Auto or Off)	VIEWFINDER	
		Size	0.24-inch, approx. 1.56 million dots
Zoom control	Zoom rockers on body and handle; Selectable manual zoom/focus ring on lens; Selectable High Speed and Soft Zoom modes available.	Correction lens	+2.0 to -5 dioptre
Zoom speed	Variable (body rocker only) or Constant speed (body and handle rocker: Fast/Normal/Slow, 16 speed level settings in each)	INPUTS/OUTPUTS	
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)	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
Focus System	Hybrid AF, Normal AF	Headphone output	3.5mm stereo mini jack
Iris control	Touchscreen, Auto	HDMI output	HDMI™ mini connector
Digital zoom/Teleconverter	400x Digital Zoom, 2x Digital Teleconverter	USB	Mini-B, Hi-Speed USB, PTP class supported
		SDI output	No
IMAGE PROCESSOR		Time code	Superimposed on HDMI output signal (Camera Mode only)
Type	DIGIC DV 6	Genlock	No
Colour Sampling	YCC 4:2:0	LAN	No
Bit depth	8-bit	AV terminal	No
		DC input	3.4mm jack
RECORDING		Remote Control Terminal	2.5mm mini jack
Video storage media	SD/SDHC/SDXC card (2 card slots) Class U3 cards recommended	SHOOTING FUNCTIONS	
Type	150Mbps: 55 mins / 35Mbps: 240 mins / 17Mbps: 495 mins	EXPOSURE	
Recording time (64GB Card, approx.)	FAT32/exFAT	Exposure metering	Centre-weighted average or segment evaluative (determined by shooting mode) No metering: Fireworks mode, Fixed exposure (1/50 sec.)
Recording file system	MP4: 3840 x 2160 (150Mbps) / 1920 x 1080 (35/17 Mbps)	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).
Internal recording format (PAL)	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	Exposure Lock	Yes.
External recording output (PAL)	HDMI (50.00i)	Auto Gain Control setting	Auto / Manual
External monitoring	25.00P (UHD), 50.00P/25.00P (Full HD)	Auto Gain Control limit	0 - 24dB (1dB increments)
Recording frame rate (PAL)	3840 x 2160 / 25.00P: x2, x4, x10, x20, x60, x120, x600, x1200	SHUTTER SPEED	
Slow/Fast motion (PAL)	1920 x 1080 / 50.00P: x2, x4, x10, x20, x60, x120, x600, x1200 1920 x 1080 / 25.00P: x0.5	Control modes	Auto, P, Tv, Manual
Pre Recording function	Yes, 3 seconds	Shutter speed	1/6 - 1/2000 sec (1/2 - 1/500 sec in Low Light mode)
Still photos	JPEG up to 3840x2160 (Still image resolution is dependent on the video resolution)	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.
Photo storage media	SD Card		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

Live for the story_

TECHNICAL SPECIFICATIONS

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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

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

Live for the story_