

XA55 / XA50

A 1.0-TYPE CMOS SENSOR COMPACT 4K CAMCORDER WITH DUAL PIXEL CMOS AF AND 15X ZOOM LENS

The highly compact and lightweight XA55 / XA50 offers high quality 4K UHD image quality with beneficial features such as Dual Pixel CMOS AF, Canon 15x optical zoom lens and advanced Full HD image quality driven by utilising outstanding Over Sampling HD Processing.



- 1.0-type CMOS sensor
- High quality 4K 15x optical zoom lens
- Fast and precise Dual Pixel CMOS AF
- XF-AVC and MP4 recording to SD cards
- Compact and lightweight with professional functions
- 3G-SDI interface (XA55 Only)



Dual Pixel
CMOS AF

OPTICAL
IMAGE
STABILIZER
DYNAMIC

Over Sampling
HD Processing

PRODUCT RANGE



XA55 / XA50 (4K UHD)



XA40 (4K UHD)



XA15 / XA11 (Full HD)

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TECHNICAL SPECIFICATIONS

XA55 / XA50

CAMERA

IMAGE SENSOR

Sensor	1.0-type CMOS
Filter	RGB Primary Colour Filter
Total pixels	Approx. 13.4 MP
Effective pixels per sensor	Approx. 8.29 MP (3840 x 2160)
Subject illumination range	Approx. 0.1 lx to 100,000 lx
Minimum illumination (PAL)	P Mode: Approx. 1.4 lx (shutter speed 1/25 sec., 50.00P; with auto slow shutter On) Low Light Mode: Approx. 0.1 lx (shutter speed 1/2 sec.)

LENS

Zoom ratio	15x optical
Focal length (35mm equivalent)	Approx. 25.5 to 382.5 mm Standard IS/IS Off
Minimum focus distance	10 mm at wide end, 60 cm across entire zooming range
Aperture	f/2.8 - f/11 (AV Priority and Manual Modes)
Aperture blades	9 blades
Filter diameter	58mm
Image stabilization system	Optical system (lens shift) + electronic stabilization Dynamic, Standard, Powered, Off
ND filter	3 densities; turret switched, motor-driven. ND 1/4, ND 1/16, and ND 1/64.
Zoom control	Zoom rockers on body and handle; Selectable manual zoom/focus ring on lens; Wireless controller; Selectable High Speed mode available.
Zoom speed	Variable (body rocker only) or Constant speed (body rocker, handle rocker and wireless controller; Fast/Normal/Slow, 16 speed level settings in each)
Focus control	MANUAL: Lens ring and touchscreen point selection (Focus Guide and Peaking assist functions), Focus Preset. AUTOFOCUS: Touchscreen AF point selection, Face Detection and Tracking, Face Only AF, (Continuous AF, AF-Boosted MF, AF Speed, AF Response, AF Frame size)
Focus System	Dual Pixel CMOS AF, Contrast AF
Iris control	Touchscreen, Auto
Digital zoom/Teleconverter	300x Digital Zoom, 2x Digital Teleconverter

IMAGE PROCESSOR

Type	DIGIC DV6
Dynamic range	800% in Wide DR mode
Colour sampling	YCC 4:2:0
Bit depth	8-bit

RECORDING

Video storage media	SD/SDHC/SDXC card (2 card slots)
Type	Class U3 cards recommended
Recording time (64GB Card, approx.)	MP4: 150Mbps: 55 mins / 35Mbps: 220 mins XF-AVC: 160 Mbps: 50 mins / 45 Mbps: 185 mins
Recording file system	FAT32/exFAT
Internal recording format (PAL)	XF-AVC: 3840 x 2160 (160Mbps) / 1920 x 1080 (45 Mbps) MP4: 3840 x 2160 (150Mbps) / 1920 x 1080 (35/17 Mbps)
External recording output (PAL)	SDI* / 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 * SDI output with XA55 only
External monitoring	SDI* / HDMI (50.00i) * SDI output with XA55 only

Recording frame rate (PAL)

Slow/Fast motion (PAL)

Pre Recording function

Still photos

Photo storage media

AUDIO

Recording

Audio control

Reference tone

Microphone attenuation

Microphone level meter

SYSTEM

MONITORING PANEL

Type

Size

Waveform Monitor

Focus Assist

Peaking

Zebra

Markers

VIEWFINDER

Size

Correction lens

INPUTS/OUTPUTS

Audio input

Headphone output

HDMI output

USB

SDI output

Time code

Genlock

LAN

AV terminal

DC input

Remote Control Terminal

MP4: 25.00P (UHD), 50.00P/25.00P (Full HD) XF-AVC: 25.00P (UHD), 50.00P/50.00i/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
Yes, 3 seconds
JPEG up to 3840x2160 (Still image resolution is dependent on the video resolution)
SD Card

MP4: MPEG-2 AAC-LC (16-bit 2ch) / LPCM (16-bit 4ch) XF-AVC: LPCM (24-bit 4ch) Manual or 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
On/Off (20dB)
Yes

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

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

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
3.5mm stereo mini jack
HDMI™ mini connector
Min-B, Hi-Speed USB, PTP class supported
XA55: 3G-SDI with BNC connector XA50: No
Superimposed on HDMI output signal (Camera Mode only)
No
No
No
3.4mm jack
2.5mm mini jack



TECHNICAL SPECIFICATIONS

XA55 / XA50

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 or ± 2 in AUTO (± 8 increments).

Exposure Lock

Yes.

Auto Gain Control setting

Auto / Manual

Auto Gain Control limit

Wide DR Mode selected: 9 - 38dB (1 dB increments) Wide DR Mode Off: 0 - 38 dB (1 dB increments)

SHUTTER SPEED

Control modes

Auto, P, Tv, Manual

Shutter speed (PAL)

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

Pre-set

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

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, Neutral, Wide DR, Monochrome (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 / Focus Guide / BLC Always On / Powered IS / Auto Acquire WB / WB Priority / IR Light / Pre REC / Review Recording / PHOTO / Monitor Channel / Menu / Off

Custom dial

Av / Tv / 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-3, Wireless Controller WL-D89, Lithium battery (CR2025), Compact Power Adapter CA-570, Battery Pack BP-820, AC Cable, Lens Cap

Optional (Includes items not currently on sale)

Canon Battery Pack BP-820/BP-828, Canon AC Adapter CA-570 (included with camera), Canon Battery Charger CG-800/CG-800E, Canon HDMI cable HTC-100/HTS-100S, Canon Wireless Controller WL-D89, Canon Tele Converter TL-U58, Canon Wide Attachment WA-U58, Canon Soft Carrying Case SC-1000/SC-2000, Canon Wrist Strap WS-20, Canon Shoulder Strap SS-600/SS-650, 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 CA910/920/930 (charges BP-900 series battery packs), Canon Car Battery Adapter CB-910/920 (for charging the BP-900 series), Canon Interface Cable IFC-300PCU/S / IFC-400PCU

BATTERY

Battery Pack

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

Power Consumption (recording)

UHD/(150Mbps/160Mbps)/25.00P:
XA55: Approx. 5W
XA50: Approx. 4.8W

Continuous Recording Time (approx.)

UHD/(150Mbps/160Mbps)/25.00p:
XA55: 145 mins (BP-820) / 220 Mins (BP-828)
XA50: 150 mins (BP-820) / 230 Mins (BP-828)
FHD/(35Mbps/45Mbps)/50.00p:
XA55: 135 mins (BP-820) / 210 Mins (BP-828)
XA50: 140 mins (BP-820) / 215 Mins (BP-828)

SIZE AND WEIGHT

Dimensions

Approx. 109 x 91 x 214 mm (main body only)
Approx. 140 x 216 x 265 mm (Including lens hood, BP-820, mic holder unit, and handle unit)

Weight (camera only)

XA55: Approx. 970g
XA50: Approx. 960g

Weight (fully equipped)

XA55: Approx. 1445g
XA50: Approx. 1435g (Including lens hood, BP-820, mic holder unit, handle unit and one memory card)

Operating temperature range

Approx. 0 to 40 °C, 85 % (relative humidity)
Approx. -5 to 45 °C, 60 % (relative humidity)

Footnotes

[1] All specifications are subject to change without notice

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

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CAMCORDER WITH DUAL PIXEL CMOS AF
AND 15X ZOOM LENS**

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Sales Start Date: June 2019

PRODUCT DETAILS:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
XA55	3668C003AA	4549292139709	<Please fill in RRP>
XA50	3669C003AA	4549292139723	<Please fill in RRP>

CONSUMABLES:

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>
Battery Charger CG-800	2590B003AA	4960999612188	<Please fill in RRP>
Battery Charger CG-800E(B)	2590B006AA	4960999610573	<Please fill in RRP>
Remote Controller RC-V100	9660B001AB	4549292014013	<Please fill in RRP>
Video Light VL-10LiII	1729B001AA	4960999408316	<Please fill in RRP>
Shoulder Strap SS-600	3122A001BA	4960999605913	<Please fill in RRP>
Shoulder Strap SS-650	3123A001BA	4960999605951	<Please fill in RRP>
Wrist Strap WS-20	3118A001BA	4960999600314	<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)
XA55 / XA50	3668C003AA 3669C003AA	EA	Each	1	360	301	269	3.55
		CT	Carton	1	615	373	290	4.42
		EP	Euro Pallet	9	120	80	102	49.8

What's in the box?

- XA55 / XA50 EU BODY
- Lens cap
- Lens hood with lens barrier
- Microphone Holder Unit
- Screws for Microphone Holder Unit
- Handle Unit
- WL-D89 Wireless Controller
- Lithium Battery (For WL) CR2025
- CA-570 Compact Power Adapter
- Ferrite core
- AC Cable EU
- BP-820 Battery Pack

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