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AG-CX10

A new CX Series camcorder offering the industry's smallest and lightest body. Packed into a compact body and offering the on-site mobility and portability, it enables high-quality 4K 60p recording. Achieving high-spec optical performance with a Wide-Angle 25mm Lens and 32x i.ZOOM (4K recording), Panasonic's exclusive high-precision AF provides high-speed, accurate focusing for both 4K and Full-HD shooting. The new models are also filled with professional functions, such as Two Manual Rings, an ND Filter, a Built-in LED Video Light*3, and 24-bit High Resolution Linear PCM Audio Recording. For video recording, the new model support 4:2:2 10bit Internal Recording*4 and the new, high-efficiency HEVC codec. The best of various recording features, such as 4K i.Zoom, 4K High Precision AF, Face Detection AF/AE, 5-Axis HYBRID O.I.S. (UHD/FHD), built-in Wi-Fi, and 4K Live Streaming are available. The AG-CX10 supports 4K 60p/50p, 4K 30p/25p, FHD 60p, 4K 60p/50p 420 10bit (HEVC) for Note PC Playback, P2 MXF. Connectivity is provided for use as a live camera.

Key Features

4K60p with High Mobility and Operability Industry Lightest* 1.3kg Body, Lowest xxW Power Consumption, High Operability Layout Design, Easy Detachable Handle

Optical 24x Zoom and Fast Face Detection AF Wide 25mm (4K/FHD), iZoom 48x (FHD)/32x(4K), 4K High Precision AF, Face Detection AF/AE, 5-Axis HYBRID O.I.S. (UHD/FHD)

Pro Quality 4K Shooting with New Engine 1/2.5-type 8M MOS Sensor, 422 10 bit: 4K 30p/25p, FHD 60p, 4K 60p/50p 420 10bit (HEVC) for Note PC Playback, P2 MXF





AG-CX10

<https://eu.connect.panasonic.com/be/en/products/broadcast-proav/ag-cx10>

Sensor Section	---
Image Sensor	1/2.5-type (inch) MOS Sensor
Effective Pixels	8.29 megapixels
Lens Section	---
F Value	F1.8-4.0
Optical Zoom	24x
Focal Length	4.12-98.9mm
35mm Film Camera Equivalent	25.0-600.0 mm
Filter Diameter	62 mm
Lens Brand	Leica Dicomar Lens
Camera Section	---
Minimum Illumination	1.5 lx (F1.8, Super Gain +, 1/30)
Focus	Auto / Manual
Zoom	Intelligent Zoom OFF: 24x Intelligent Zoom ON: Max. 48x (UHD 32x) Digital Zoom: 2x / 5x / 10x
ND Filter	1/4, 1/16, 1/64, OFF
IR Filter	Incorporates the ON/OFF control function
White Balance	Auto / ATW LOCK / 3200K / 5600K / VAR (2000K-15000K) / Ach Fixed / Bch Fixed
Shutter Speed	59.94 Hz mode · 59.94i/59.94p: 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec · 29.97p: 1/30, 1/50, 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec · 23.98p: 1/24, 1/48, 1/50, 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec 50.00 Hz mode · 50i/50p: 1/50, 1/60, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec · 25p: 1/25, 1/50, 1/60, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec
Slow Shutter Speed	59.94 Hz mode 59.94i/59.94p: 1/8, 1/15, 1/30 sec 29.97p: 1/8, 1/15 sec 23.98p: 1/6, 1/12 sec 50.00 Hz mode 50i/50p: 1/6, 1/12, 1/25 sec 25p: 1/6, 1/12 sec Super Slow Recording Frame Rate 59.94 Hz mode FHD 120 fps (1/2 speed at 60p, 1/4 speed at 30p, 1/5 speed at 24p) 50.00 Hz mode FHD 100 fps (1/2 speed at 50p, 1/4 speed at 25p)
Iris	Auto / Manual
Image Stabilizer	Ball O.I.S., 5-Axis HYBRID O.I.S. (UHD/FHD)
Recording Section	---
Recording Media	SDHC/SDXC Memory Card, microP2 card (A series, B series)
Video Compression Method	MOV/MP4: H.264/MPEG-4 AVC High Profile, H.265/MPEG-H HEVC Main10 Profile AVCHD: H.264/MPEG-4 AVC High Profile P2: AVC-LongG 50/AVC-LongG25: MPEG-4 AVC/H.264 High Profile

Audio Compression Method	MOV / P2: LPCM (24bit 2ch) MP4: AAC (16bit 2ch) AVCHD: Dolby Audio (16bit 2ch)
System Frequency	59.94Hz / 50.00Hz
Recording/Playback Mode	MOV (HEVC) [4:2:0 10bit] UHD 3840 x 2160 59.94p/50.00p HEVC 200M: Average 200 Mbps (VBR) UHD 3840 x 2160 29.97p/25.00p/23.98p HEVC 150M: Average 150 Mbps (VBR) MOV [4:2:0 8bit] UHD 3840 x 2160 59.94p/50.00p 150M: Average 150 Mbps (VBR) UHD 3840 x 2160 29.97p/25.00p/23.98p 100M: Average 100 Mbps (VBR) [4:2:2 10bit] UHD 3840 x 2160 29.97p/25.00p/23.98p 150M: Average 150 Mbps (VBR) FHD 1920 x 1080 59.94p/50.00p 200M (ALL-Intra): Average 200 Mbps (VBR) FHD 1920 x 1080 29.97p/25.00p/23.98p 100M (ALL-Intra): Average 100 Mbps (VBR) FHD 1920 x 1080 59.94i/50i 100M (ALL-Intra): Average 100 Mbps (VBR) FHD 1920 x 1080 59.94p/50.00p 100M: Average 100 Mbps (VBR) FHD 1920 x 1080 29.97p/25.00p/23.98p/59.94i/50.00i 50M: Average 50 Mbps (VBR) MP4 (HEVC) [4:2:0 10bit] UHD 3840 x 2160 59.94p/50.00p HEVC 100M: Average 100 Mbps (VBR) UHD 3840 x 2160 29.97p/25.00p/23.98p HEVC 72M: Average 72 Mbps (VBR) MP4 [4:2:0 8bit] UHD 3840 x 2160 29.97p/25.00p/23.98p 72M: Average 72 Mbps (VBR) FHD 1920 x 1080 59.94p/50.00p/23.98p 50M: Average 50 Mbps (VBR) AVCHD [4:2:0 8bit] PS 1920 x 1080 59.94p/50.00p: Average 25 Mbps (VBR) PH 1920 x 1080 59.94i/50.00i/23.98p: Average 21 Mbps (VBR) HA 1920 x 1080 59.94i/50.00i: Average 17 Mbps (VBR) PM 1280 x 720 59.94p/50.00p: Average 8 Mbps (VBR) P2 [4:2:2 10bit] FHD 1920 x 1080 59.94p/50.00p/59.94i/50.00i: Average 50 Mbps (VBR) FHD 1920 x 1080 59.94i/50i: Average 25 Mbps (VBR) HD 1280 x 720 59.94p/50.00p: Average 50 Mbps (VBR) HD 1280 x 720 59.94p/50.00p: Average 25 Mbps (VBR)
Live Streaming	Yes
Video Compression Format	H.264/MPEG-4 AVC Main Profile, High Profile
Video Resolution	1920 x 1080 (FHD), 1280 x 720 (HD), 640 x 360, 320 x 180
IP Streaming	Unicast, Multicast
Frame Rate	System frequency = 59.94 Hz: 30 fps, 60 fps 50.00 Hz: 25 fps, 50 fps
Bit Rate	24 Mbps, 20 Mbps, 16 Mbps, 14 Mbps, 8 Mbps, 6 Mbps, 4 Mbps, 3 Mbps, 2 Mbps, 1.5 Mbps, 1 Mbps, 0.7 Mbps, 0.5 Mbps
Audio Compression Format	AAC-LC, 48 kHz/16 bit, 2ch
Network Protocol	RTSP/RTP/RTMP/RTMPS
Still Image Section	---
Recording Format	JPEG (DCF/Exif2.2)
Recording Image Size Still Picture	Video Playback Mode*: 3840 x 2160 (16:9), 1920 x 1080 (16:9), 1280 x 720 (16:9)
General Section	---
Power Supply	7.28V (Battery) / 12V (AC Adaptor)
Power Consumption	15.5W (LCD Monitor)
Dimensions (W x H x D)	Approx. 129 x 159 x 257 mm (5.08 x 6.26 x 10.1 inch)
Weight	Body: approx. 0.9kg (1.98 lb) (body only, excluding handle, lens hood, battery, and accessories) Shooting: approx. 1.5kg (3.31 lb) (including handle, lens hood, battery, and eyecup)
LCD Monitor	3.5-inch Wide LCD monitor (About 2,760,000 dots)
Viewfinder	0.24-inch Wide EVF (About 1,560,000 dots)
Manual Ring	Focus / Zoom or Iris
Accessory Shoe	Yes

LED Video Light Average Illumination	Approx. 70 lx (1.0m)
LED Video Light Irradiation Angle	Approx. 30°
LED Video Light Color Temperature	Approx. 4600K
Interfaces	---
Video	SDI OUT: BNC x 1, 0.8V[p-p], 75Ω, 3G/1.5G HD-SDI supported Output format: 1080/59.94p LEVEL-A/50.00p LEVEL-A, 1080/29.97PsF/25.00PsF/23.98PsF, 1080/59.94i/50.00i, 720/59.94p/50.00p HDMI: Type A x 1 (MIERA Link not supported) Output format: 2160/59.94p/50.00p/29.97p/25.00p/23.98p, 1080/59.94p/50.00p/29.97p/25.00p/23.98p/59.94i/50.00i, 720/59.94p/50.00p, 480/59.94p, 576/50.00p
Audio Input	Built-in Microphone: Stereo microphone Microphone Input: 3.5mm stereo mini jack x 1 XLR Input: XLR (3 pins) x 2 Input high impedance, LINE/MIC/MIC+48 V (switchable SW) LINE: +4dBu/0dBu (switchable menu) MIC: -40dBu/-50dBu/-60dBu (switchable menu)
Audio Output	SDI: 2 ch (LPCM 24bit) Gain: 0dB/-6dB/-8dB
Other Input/Output	Camera Remote: 2.5mm super mini jack x 1 USB 2.0 HOST: Micro-AB connector, 5-pin, only USB LAN conversion supported USB 2.0 DEVICE: Micro-AB connector, 5-pin, mass storage function (read only) DC IN: DC 12V (11.4V - 12.6V) EIAJ Type4
Wi-Fi	Yes - integrated
Standard	IEEE 802.11b/g/n
Frequency	2.4GHz band
Standard Accessories	---
AC Adapter	Yes
AC Cable	Yes
Rechargeable Battery Pack	Yes (5,900mAh)
Hand Grip	Yes (detachable)
Battery Charger	-
IR Remote Control	-
HDMI Cable	-
AV Cable	-
Interface USB	USB LAN Conversion Adaptor: Yes (VW-UEA1)
Microphone Unit	Microphone Holder & Holder Screws: Yes
Lens Hood	Yes
Footnote	*Only images cut from video in video playback mode are supported. Note: Specifications are subject to change without notice.