Panasonic CONNECT

New CX Series Handheld Camcorder Built for Next-generation Performance, Coupled with Exceptional Image Quality and Operability — Furthermore optimized for Production, Broadcasting and Live Streaming with 4-channel Audio and GENLOCK Inputs and 12G-SDI Outp

AG-CX370

The AG-CX370 is a high-end handheld camcorder designed to meet the demands of modern video production. Building on the acclaimed high performance and usability of its predecessor, the AG-CX350, it features 10-bit 4K recording, a wide-angle high-magnification zoom lens, and HDR-compatible V-Log/HLG as well as manual three-ring control for precise operation. Expanded functionality in the AG-CX370 includes a new 4-channel audio input terminal with independent volume control for simultaneous recording from up to four microphones. It also incorporates a GENLOCK input terminal for broadcast-quality multi-camera synchronized recording. In addition, the SDI output has been upgraded to 12G-SDI for uncompressed 4K video output, and the IP output now supports NDI® HX2,* enhancing its operability for live camera applications. Despite its lightweight, compact design and low power consumption, the AG-CX370 provides professionals with a powerful solution for production, broadcasting

Key Features

- Expanded system capabilities with 12G-SDI output and GENLOCK input
- Versatile 4-channel audio input with independent volume controls
- Optimized IP live production with NDI® HX2
- High Shooting Quality
- Multi-Format, Multi-Codec Recording

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AG-CX370

https://latam.connect.panasonic.com/ar/en/products/broadcast-proav/ag-cx370

General -> Power Supply	DC 7.28 V (when the battery is used) DC 12 V (when the AC adaptor is used)
General -> Power Consumption	26W (when the LCD monitor is used) 17 W (1080i / 422ALL-I 100M recording, when the LCD monitor is used, no external device connection)
General -> Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
General -> Operating Humidity	10 % to 80 % (no condensation)
General -> Weight	Body: approx. 1.9 kg (4.19 lb) (body only, excluding lens hood, battery, and accessories) Shooting: approx. 2.3 kg (5.07 lb) (including lens hood, battery, and microphone holder)
General -> Dimensions	180 mm (W) x 173 mm (H) x 311 mm (D) (7-1/8 inches x 6-13/16 inches x 12-1/4 inches) (excluding protrusion and eye cup)
Camera Unit -> Image Sensor	1.0-type (effective size) MOS solid state image sensor
Camera Unit -> Number of Pixels	15,030,000 pixel
Camera Unit -> Lens	Optical image stabilizer lens, optical 20x motorized zoom F value: F2.8 to F4.5 Focal length: f=8.8 mm to 176 mmm, 35 mm equivalent: 24.5 mm to 490 mm
Camera Unit -> Filter Diameter	67 mm
Camera Unit -> Shortest Shooting Distance(M.O.D.)	Approx. 10 cm (W), 1.0 m (T) from the front lens
Camera Unit -> Optical Filter -> ND Filter	Clear, 1/4, 1/16, 1/64
Camera Unit -> Optical Filter -> IR Filter	Incorporates the ON/OFF control function
Camera Unit -> Gain Setting	L/M/H selector switch GAIN/ISO mode = dB –3 dB to 18 dB (adjustable in 1 dB steps) 24 dB, 30 dB, 36 dB switched (when assigning [S. GAIN] to the USER button) GAIN/ISO mode = ISO ISO 400, ISO 500, ISO 640, ISO 800, ISO 1000, ISO 1250, ISO 1600, ISO 2000, ISO 2500, ISO 3200, ISO 4000, ISO 5000, ISO 6400, ISO 8000, ISO 10000, ISO 12800
Camera Unit -> Color Temperature Setting	ATW, ATW LOCK, A ch, B ch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)
Camera Unit -> Shutter Speed -> [59.94 Hz] 59.94i/59.94p mode	1/60 sec. (shutter off), 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec.,1/2000 sec., 1/4000 sec., 1/8000 sec., 1/10000 sec.
Camera Unit -> Shutter Speed -> [50.00 Hz] 50i/50p mode	1/50 sec. (shutter off), 1/60 sec., 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec.,1/1000 sec., 1/2000 sec., 1/4000 sec., 1/8000 sec., 1/10000 sec.
Camera Unit -> Shutter Speed -> [59.94 Hz] 29.97p mode	1/30 sec., 1/50 sec. (shutter off), 1/60 sec., 1/100 sec., 1/120 sec., 1/250 sec.,1/500 sec., 1/1000 sec., 1/2000 sec., 1/4000 sec., 1/8000 sec., 1/10000 sec.
Camera Unit -> Shutter Speed -> [50.00 Hz] 25p mode	1/25 sec., 1/50 sec. (shutter off), 1/60 sec., 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., 1/4000 sec., 1/8000 sec., 1/10000 sec.
Camera Unit -> Shutter Speed -> [59.94 Hz] 23.98p mode	1/24 sec., 1/48 sec., 1/50 sec. (shutter off), 1/60 sec., 1/100 sec., 1/120 sec.,1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., 1/4000 sec., 1/8000 sec., 1/10000 sec.
Camera Unit -> Synchro Scan Shutter -> [59.94 Hz] 59.94i/59.94p mode	1/60.0 sec. to 1/7200 sec.
Camera Unit -> Synchro Scan Shutter -> [50.00 Hz] 50i/50p mode	1/50.0 sec. to 1/7200 sec.
Camera Unit -> Synchro Scan Shutter -> [59.94 Hz] 29.97p mode	1/30.0 sec. to 1/7200 sec.
Camera Unit -> Synchro Scan Shutter -> [50.00 Hz] 25p mode	1/25.0 sec. to 1/7200 sec.
Camera Unit -> Synchro Scan Shutter -> [59.94 Hz] 23.98p mode	1/24.0 sec. to 1/7200 sec.
Camera Unit -> Shutter Speed (Slow Shutter) -> [59.94 Hz] 59.94i/59.94p mode	1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec., 1/30 sec.
Camera Unit -> Shutter Speed (Slow Shutter) -> [50.00 Hz] 50i/50p mode	1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec., 1/25 sec.
Camera Unit -> Shutter Speed (Slow Shutter) -> [59.94 Hz] 29.97p mode	1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec.
Camera Unit -> Shutter Speed (Slow Shutter) -> [50.00 Hz] 25p mode	1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.
Camera Unit -> Shutter Speed (Slow Shutter) -> [59.94 Hz] 23.98p mode	1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec., 1/30 sec.
Camera Unit -> Shutter Open Angle	3.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps)
Camera Unit -> VFR Recording Frame Rate -> [59.94 Hz] 59.94i/59.94p mode	1, 2, 4, 6, 9, 12, 15, 18, 20, 21, 22, 24, 25, 26, 27, 28, 30, 32, 34, 36, 40, 44, 48, 54, 60 (fps)
Camera Unit -> VFR Recording Frame Rate -> [50.00 Hz] 50p mode	1, 2, 4, 6, 9, 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 32, 34, 37, 42, 45, 48, 50 (fps)
Camera Unit -> Super Slow Recording -> [SYSTEM MODE] = 59.94 Hz	1920 x 1080 (FHD): shooting frame rate 120 fps
Camera Unit -> Super Slow Recording -> [SYSTEM MODE] = 50.00 Hz	1920 x 1080 (FHD): shooting frame rate 100 fps
Camera Unit -> Horizontal Resolution	2000 TV or higher (UHD: center) 1000 TV or higher (FHD: center)
Camera Unit -> i.Zoom	x32 (FHD), x24 (UHD)
Camera Unit -> Digital Zoom	x2/ x5/ x10
Camera Unit -> Lens Hood	Hood with lens cover

Memory Card Recorder -> Recording Media	SDHC memory card, SDXC memory card UHS-I/UHS-II UHS Speed Class 3 supported, Video Speed Class V90 supported Please see the "Available Memory Card" table.
Memory Card Recorder -> Recording Slot	SDXC UHS-II card slot x 2*2
Memory Card Recorder -> Recording Pixels	3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720)
Memory Card Recorder -> System Frequency	59.94 Hz/50.00 Hz
Memory Card Recorder -> Recording File Format	MOV (AVC), MOV (HEVC), AVCHD, P2 MXF
Memory Card Recorder -> 2 Slot Functions	Relay Rec, Simultaneous Rec, Background Rec
Memory Card Recorder -> Special Recording Functions	Pre Rec, Interval Rec, Time Stamp
Digital Video -> Video Compression Format -> P2: AVC-Intra200	MPEG-4 AVC/H.264 Intra Profile
Digital Video -> Video Compression Format -> P2: AVC-Intra100/AVC-Intra50	MPEG-4 AVC/H.264 Intra Profile
Digital Video -> Video Compression Format -> P2: AVC-Intra422/AVC-LongG50/AVC-LongG25/ AVC-LongG12	MPEG-4 AVC/H.264 High Profile
Digital Video -> Video Compression Format -> MOV	H.264/MPEG-4 AVC High Profile, H.265/MPEG-H HEVC Main10 Profile
Digital Audio -> Headroom	12 dB/18 dB/20 dB switchable (menu)
AVC Proxy -> File Format	MOV
AVC Proxy -> Video Compression Format	H264/AVC High Profile
AVC Proxy -> Audio Compression Format	AAC-LC
AVC Proxy -> Recording Time	Approx. 13 min. per 1 GB of AVC-G6 2CH MOV *These are reference values for continuous recording using the Panasonic products. The recording time may differ depending on the scene or the number of clips.
Streaming -> Video Compression Format	H.264/MPEG-4 AVC Main Profile, H.264/MPEG-4 AVC High Profile
Streaming -> Video Resolution	3640 x 2160 (UHD), 1920 x 1080 (FHD), 1280 x 720 (HD), 640 x 360, 360 x 180
Streaming -> Streaming Method	Unicast, Multicast
Streaming -> Frame Rate	System frequency = 59.94 Hz: 24 fps, 30 fps, 60 fps System frequency = 50.00 Hz: 25 fps, 50 fps
Streaming -> Bit Rate	3640 x 2160 (UHD): 75 Mbps, 50 Mbps, 25 Mbps, 12 Mbps, 8 Mbps Other than those above: 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
Streaming -> Audio Compression Format	AAC-LC, 48 kHz/16 bit, 2 ch
Streaming -> Network Protocol	RTSP/RTP/RTMP/RTMPS/SRT
Video Output -> SDI OUT	BNC x 1, SDI REC REMOTE supported 4K(12G/6G), HD (3G/1.5G) 0.8 V [p-p], 75 Ω, Output format (4:2:2 10 bit): • 1920 x 1080: 59.94p, 50p, 59.94i, 50i, 29.97Psf, 25Psf, 23.98PsF • 1280 x 720: 59.94p, 50p
Video Output -> HDMI	HDMI x 1, Type A, HDMI REC REMOTE supported, VIERA Link not supported Output format (4:2:2 10 bit): • 3840 x 2160: 59.94p, 50p, 29.97p, 25p, 23.98p • 1920 x 1080: 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 23.98p • 1280 x 720: 59.94p, 50p
Video Output -> VIDEO OUT	3.5 mm diameter mini jack, composite 1.0 V [p-p], 75 O
Audio Input/Output -> Built-inMicrophone	Stereo microphone
Audio Input/Output -> AUDIO IN 1/2	XLR (3-pin) x 2 (INPUT1, INPUT2) Input high impedance, LINE/MIC/MIC+48V (switchable SW) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu) LINE: +4 dBu/0 dBu (switchable menu)
Audio Input/Output -> AUDIO IN 3/4	ϕ3.5 mm stereo mini jack, unbalance MIC: -40 dBV (0 dB=1 V/Pa, 1 kHz) Plug-in power compatible, supply voltage:2.5 V±0.5 V Input impedance: Approx. 2kΩ (when plug-in power is ON) Approx.20kΩ (when plug-in power is OFF)
Audio Input/Output -> SDI OUT	Linear PCM 4 ch
Audio Input/Output -> HDMI OUT	Linear PCM 4 ch (switchable menu)
Audio Input/Output -> Headhone	3.5 mm diameter stereo mini jack x 1
Audio Input/Output -> Built-in Speaker	20 mm diameter, round x 1
Other Input/Output -> GENLOCK IN	BNCx1, 1.0V [p-p], 75Ω
Other Input/Output -> TC IN/OUT	BNC x 1, Used as the input and output terminals (switchable menu) Input: 1.0 V to 4.0 V [p-p] 10 kΩ Output: 2.0 V ± 0.5 V [p-p] low impedance
Other Input/Output -> DC IN	DC 12 V EIAJ Type 4
Other Input/Output -> REMOTE	2.5 mm diameter super mini jack *The analog control remote controller used with previous Panasonic models may not be used with this device.
Other Input/Output -> LAN	RJ-45: 1000BASE-T/100BASE-TX/10BASE-T NDI® HX2 supported

Other Input/Output -> USB 3.0（DEVICE）	USB 3.1 GEN1 Type-C, USB Mass storage function No USB bus power function
Other Input/Output -> USB 2.0（HOST）	Type-A, 4-pin (5 V, 0.5 A) for Wireless Module (option)
Monitor/Viewfinder -> LCD Monitor	3.2 type TFT LCD color monitor (3:2), approx. 1,620,000 dots, Touch panel video display (16: 9) area: Approx. 1,370,000 dots
Monitor/Viewfinder -> Viewfinder	0.39 type OLED (organic EL display), approx. 2,360,000 dots, video display (16: 9) area: approx. 1,770,000 dots
Included Accessories	Battery (AG-VBR59), Battery charger (AG-BRD50), AC adaptor, AC cable, Microphone holder kit, Shoulder strap, Eye cup, Lens hood*, Grip belt* and Operating instructions *Items come already attached to the camera.
Footnote Description	*1:Weight and dimensions shown are approximate. *2:When recording to SD memory cards in P2 format, please use SDXC memory cards with video speed class V90 or faster. Please use the latest version of the camera recorder software. * NDI® is a video connectivity technology and is registered as a trademark by Vizrt NDI AB in the United States and other countries. * Depending on the time of purchase, an upgrade may be required to use NDI® HX2. Click here for details. * Recording, streaming and 4K output are not available when using NDI® HX2 mode. NOTE:Specifications are subject to change without notice.