Panasonic CONNECT

4K Memory Card Camera Recorder

AG-CX350

Industrial Lightest Weight 4.2 lbs*1. and Highest Sensitivity of F12/F13*2 in the Fixed-Lens Camcorders, and Direct Connection Capability to Live Streaming Service/NDI®*3 HX(pre-installed)*4

Key Features

New 1.0" 15M Sensor brings 2000TV-lines and F12/F13 Sensitivity.

Superb 4K Image with 10bit Codec: ALL-I, 422LongG and New HEVC LongG

Supporting HLG (Hybrid Log Gamma) and SDR Monitoring

Industry's Widest Class Lens with 32x Intelligent Zoom and 5-Axis Hybrid I.S.

HD Live Streaming to Connect Directly to Facebook and YouTube Live

DOLBY DIGITAL STEREO CREATOR   P2HD   AVCHD   HDMI HIGH DEFINITION MULTIMEDIA INTERFACE

4K PROFESSIONAL HDR

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https://latam.connect.panasonic.com
/pa/en/products/broadcast-proav/ag-
cx350

General -> Power Supply	DC 7.28 V (when the battery is used)DC 12 V (when the AC adaptor is used)
General -> Power Consumption	17 W (when the LCD monitor is used)11.5 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 *1	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 *1	W 180 mm x H 173 mm x D 311 mm(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 zoomF value: F2.8 to F4.5Focal length: f=8.8 mm to 176 mmm, 35 mm equivalent: 24.5 mm to 490 mm
Camera Unit -> Iris	Auto / Manual
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 switchGAIN/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 = ISOISO 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 -> 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	1/50.0 sec. to 1/7200 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	1/25.0 sec. to 1/7200 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., 1/12 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 cardUHS-I/UHS-II UHS Speed Class 3 supported,Video Speed Class V90 supportedmicroP2 card (A series, B series) *2Please see the "Available Memory Card" table.
Memory Card Recorder -> Recording Slot	microP2/SDXC UHS-II card slot x 2
Memory Card Recorder -> Recording Pixels	3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD)(AVC-Intra50: 1440 × 1080, 960 × 720)720 × 480 (SD), 720 × 576 (SD)

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 -> Recording Format	Please see the "Recording Format" table.
Memory Card Recorder -> Recording Time	Please see the "Recording Time" table.
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 -> Quantization -> P2	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)/4:2:0 8 bit (AVC-LongG12)
Digital Video -> Quantization -> MOV	4:2:2 10 bit/4:2:0 8 bit/4:2:0 10 bit (HEVC)
Digital Video -> Quantization -> AVCHD	4:2:0 8 bit
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 -> Recording Audio Signal -> P2	48 kHz/24 bit, 4 ch (excluding AVC-LongG12)48 kHz/16 bit, 4 CH (AVC-Intra100/AVC-Intra50 [3]/AVC-LongG12)
Digital Audio -> Recording Audio Signal -> MOV	48 kHz/24 bit, 4 ch, Linear PCM
Digital Audio -> Recording Audio Signal -> AVCHD	48 kHz/16 bit, 2 ch, Dolby Audio™
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 [4]	Approx. 13 min. per 1 GB of AVC-G6 2CH MOV
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 fpsSystem frequency = 50.00 Hz: 25 fps, 50 fps
Streaming -> Bit Rate	3640 x 2160 (UHD): 75 Mbps, 50 Mbps, 25 Mbps, 12 Mbps, 8 MbpsOther 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 supportedHD: 0.8 V [p-p], 75 Ω SD: 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• 720 x 480: 59.94i• 720 x 576: 50i
Video Output -> HDMI	HDMI x 1, Type A, HDMI REC REMOTE supported, VIERA Link not supportedOutput 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• 720 x 480: 59.94p• 720 x 576: 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	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 -> SDI OUT	Linear PCM 4 ch
Audio Input/Output -> HDMI OUT	Linear PCM 2 ch/4 ch (switchable menu)
Audio Input/Output -> Headhone	3.5 mm diameter stereo mini jack x 1
Audio Input/Output -> AV OUT	3.5 mm diameter stereo mini jack x 1, Output level: 600Ω, 316 mV
Audio Input/Output -> Built-in Speaker	20 mm diameter, round x 1
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 kΩOutput: 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 [5]	2.5 mm diameter super mini jack
Other Input/Output -> LAN	RJ-45: 1000BASE-T/100BASE-TX/10BASE-TNDI® |HX supported [6]
Other Input/Output -> USB 3.0（DEVICE）	USB 3.1 GEN1 Type-C, USB Mass storage functionNo 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 [7], Grip belt [7] and Operating instructions

Footnote Description

1. Weight and dimensions shown are approximate.
2. The production of microP2 cards have been discontinued. 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.
3. 24 bit/16 bit switch by menu
4. 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.
5. The analog control remote controller used with previous Panasonic models may not be used with this device.
6. To use this function, an activation keycode from NewTek is required. Keycodes can be purchased from the website.
7. Items come already attached to the camera.