



## 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





## AG-CX350

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

General	
<b>Power</b>	DC 7.28 V (when the battery is used)
	DC 12 V (when the AC adaptor is used)
<b>Power Consumption</b>	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)
<b>Operating Temperature</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>Operating Humidity</b>	10 % to 80 % (no condensation)
<b>Weight</b>	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)
<b>Dimensions</b>	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	
<b>Pickup Device</b>	1.0-type (effective size) MOS solid state image sensor
<b>Effective Pixels</b>	15,030,000 pixel
<b>Lens</b>	Optical image stabilizer lens, optical 20x motorized zoom
	F value: F2.8 to F4.5
	Focal length: f=8.8 mm to 176 mm
	35 mm equivalent: 24.5 mm to 490 mm
	Filter Diameter: 67 mm
	ND Filter: Clear, 1/4, 1/16, 1/64
	IR Filter: Incorporates the ON/OFF control function
	Shortest Shooting Distance (M.O.D.):
	Approx. 10 cm (W), 1.0 m (T) from the front lens
<b>Gain Setting</b>	L/M/H selector switch
	-3 dB to 18 dB (Adjustable in 1 dB steps)
	24dB, 30 dB, 36 dB switched (when assigning [S. GAIN] to the USER button)
<b>Color Temperature Setting</b>	ATW, ATW LOCK, A ch, B ch,
	preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)
<b>Shutter Speed</b>	When [SYSTEM MODE] = 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.
	• 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.
	• 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.
	When [SYSTEM MODE] = 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.
• 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.	

<b>Shutter Speed(Slow Shutter)</b>	When [SYSTEM MODE] = 59.94 Hz <ul style="list-style-type: none"> <li>• 59.94i/59.94p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec., 1/30 sec.</li> <li>• 29.97p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec.</li> <li>• 23.98p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.</li> </ul> When [SYSTEM MODE] = 50.00 Hz <ul style="list-style-type: none"> <li>• 50i/50p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec., 1/25 sec.</li> <li>• 25p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.</li> </ul>
<b>Shutter Speed(Synchro Scan)</b>	When [SYSTEM MODE] = 59.94 Hz <ul style="list-style-type: none"> <li>• 59.94i/59.94p mode: 1/60.0 sec. to 1/7200 sec.</li> <li>• 29.97p mode: 1/30.0 sec. to 1/7200 sec.</li> <li>• 23.98p mode: 1/24.0 sec. to 1/7200 sec.</li> </ul> When [SYSTEM MODE] = 50.00 Hz <ul style="list-style-type: none"> <li>• 50i/50p mode: 1/50.0 sec. to 1/7200 sec.</li> <li>• 25p mode: 1/25.0 sec. to 1/7200 sec.</li> </ul>
<b>Shutter Open Angle</b>	3.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps)
<b>VFR Recording Frame Rate</b>	When [SYSTEM MODE] = 59.94 Hz 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) When [SYSTEM MODE] = 50.00 Hz 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)
<b>Super Slow Recording</b>	When [SYSTEM MODE] = 59.94 Hz 1920 x 1080 (FHD): shooting frame rate 120 fps When [SYSTEM MODE] = 50.00 Hz 1920 x 1080 (FHD): shooting frame rate 100 fps
<b>Sensitivity</b>	When [HIGH SENS.] mode F12 (2000 lx, 3200 K, 89.9 % reflect, 2160/59.94p, 1080/59.94i) F13 (2000 lx, 3200 K, 89.9 % reflect, 2160/50p, 1080/50i)
<b>Horizontal Resolution</b>	2000 TV or higher (UHD: center) 1000 TV or higher (FHD: center)
<b>i.Zoom</b>	×32 (FHD), ×24 (UHD)
<b>Digital Zoom</b>	×2/×5/×10
<b>Lens Hood</b>	Hood with lens cover
<b>Memory Card Recorder</b>	
<b>Recording Media</b>	SDHC memory card (4 GB to 32 GB), SDXC memory card (32 GB to 128 GB) UHS-I/UHS-II UHS Speed Class3 supported, Video Speed Class V90 supported microP2 card (A series, B series) Please see back cover for the "Available Memory Card" table.
<b>Recording Slot</b>	microP2/SDXC UHS-II card slot x 2
<b>Recording Pixels</b>	3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD), 720 × 480(SD), 720 × 576 (SD)
<b>System Frequency</b>	59.94 Hz/50.00 Hz
<b>Recording File Format</b>	MOV (AVC), MOV (HEVC), AVCHD
<b>Recording Format</b>	Please see page 4 for the "Recording Format" table.
<b>Recording Time</b>	Please see back cover for the "Recording Time" table.
<b>2 Slot Functions</b>	Relay Rec, Simultaneous Rec, Background Rec
<b>Special Recording Functions</b>	Pre Rec, Interval Rec, Time Stamp
<b>Digital Video</b>	
<b>Quantization</b>	MOV: 4:2:2 10 bit/4:2:0 8 bit/4:2:0 10 bit (HEVC) AVCHD: 4:2:0 8 bit
<b>Digital Video   Video Compression Format</b>	H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile
<b>Digital Audio</b>	
<b>Recording Audio Signal</b>	MOV: 48 kHz/24 bit, 2 ch, Linear PCM AVCHD: 48 kHz/16 bit, 2 ch, Dolby Audio™
<b>Headroom</b>	12 dB/18 dB/20 dB switchable (menu)
<b>Live Streaming</b>	
<b>Live Streaming   Video Compression Format</b>	H.264/MPEG-4 AVC Main Profile, High Profile
<b>Audio Compression Format</b>	AAC-LC
<b>Network Protocol</b>	RTSP/RTP/RTMP
<b>Video Output</b>	
<b>Video Output   SDI OUT</b>	BNC x 1, SDI REC REMOTE supported HD: 0.8 V [p-p], 75 Ω SD: 0.8 V [p-p], 75 Ω, Output format (4:2:2 10 bit): <ul style="list-style-type: none"> <li>• 1920 × 1080: 59.94p, 50p, 59.94i, 50i, 29.97Psf, 25Psf, 23.98Psf</li> <li>• 1280 × 720: 59.94p, 50p</li> <li>• 720 × 480: 59.94i</li> <li>• 720 × 576: 50i</li> </ul>

<b>Video Output   HDMI OUT</b>	HDMI x 1, Type A, HDMI REC REMOTE supported, VIERA Link not supported Output format (4:2:2 10 bit): <ul style="list-style-type: none"> <li>• 3840 × 2160: 59.94p, 50p, 29.97p, 25p, 23.98p</li> <li>• 1920 × 1080: 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 23.98p</li> <li>• 1280 × 720: 59.94p, 50p</li> <li>• 720 × 480: 59.94p</li> <li>• 720 × 576: 50p</li> </ul>
<b>VIDEO OUT</b>	3.5 mm diameter mini jack, composite 1.0 V [p-p], 75 Ω
<b>Audio Input/Output</b>	
<b>Built-in Microphone</b>	Stereo microphone
<b>Input 1/2</b>	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)
<b>Audio Input/Output   SDI OUT</b>	Linear PCM 2 ch
<b>Audio Input/Output   HDMI OUT</b>	Linear PCM 2 ch
<b>Headphone</b>	3.5 mm diameter stereo mini jack x 1
<b>AV OUT</b>	3.5 mm diameter stereo mini jack x 1, Output level: 600 Ω, 316 mV
<b>Speaker</b>	20 mm diameter, round x 1
<b>Other Input/Output</b>	
<b>TC In/Out</b>	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  2.5 mm diameter super mini jack
<b>Remote</b>	2.5 mm diameter super mini jack
<b>LAN</b>	RJ-45: 1000BASE-T/100BASE-TX/10BASE-T
<b>USB 2.0 HOST</b>	Type-A, 4-pin (5 V, 0.5 A) for Wireless Module (option)
<b>USB 3.0 DEVICE</b>	USB 3.1 GEN1 Type-C, USB Mass storage function  No USB bus power function
<b>DC In 12V</b>	DC 12 V EIAJ Type 4
<b>Monitor/Viewfinder</b>	
<b>LCD Monitor</b>	3.5 type TFTLCD color monitor (3:2),  approx. 1,620,000 dots, Touch panel  video display (16: 9) area: Approx. 1,370,000 dots
<b>Viewfinder</b>	0.39 type OLED (organic EL display), approx. 2,360,000 dots,  video display (16: 9) area: approx. 1,770,000 dots
<b>Included Accessories</b>	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 marked by an asterisk (*) come already attached to the camera)
<b>Note</b>	*3:NDI® is a registered trademark of Vizrt NDI AB in the United States and other countries.