



## Panasonic CONNECT AG-CX350 Memory Card Camera Recorder Owner's Manual

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# Panasonic CONNECT



4K Memory Card Camera Recorder  
AG-CX350

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## AG-CX350 Memory Card Camera Recorder

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|HX(pre-installed)\*3

### 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



A G – C X 350

<https://eu.connect.panasonic.com/no/en/products/broadcast-proav/agcx350>

General	
Power	DC 7.28 V (when the battery is used) DC 12 V (when the AC adaptor is used)
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)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	10 % to 80 % (no condensation)

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)
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	
Pickup Device	1.0-type (effective size) MOS solid state image sensor
Effective Pixels	15,030,000 pixel
Lens	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
Gain Setting	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)
Color Temperature Setting	ATW, ATW LOCK, A ch, B ch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)
Shutter Speed	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.


Shutter Speed(Slow Shutter)	<p>When [SYSTEM MODE] = 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.  29.97p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec.  23.98p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.</p> <p>When [SYSTEM MODE] = 50.00 Hz  50i/50p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec., 1/25 sec.  25p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec.</p>
Shutter Speed(Synchro Scan)	<p>When [SYSTEM MODE] = 59.94 Hz  59.94i/59.94p mode: 1/60.0 sec. to 1/7200 sec.  29.97p mode: 1/30.0 sec. to 1/7200 sec.  23.98p mode: 1/24.0 sec. to 1/7200 sec.</p> <p>When [SYSTEM MODE] = 50.00 Hz  50i/50p mode: 1/50.0 sec. to 1/7200 sec.  25p mode: 1/25.0 sec. to 1/7200 sec.</p>
Shutter Open Angle	3.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps)
VFR Recording Frame Rate	<p>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)</p> <p>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)</p>
Super Slow Recording	<p>When [SYSTEM MODE] = 59.94 Hz  1920 x 1080 (FHD): shooting frame rate 120 fps</p> <p>When [SYSTEM MODE] = 50.00 Hz  1920 x 1080 (FHD): shooting frame rate 100 fps</p>
Sensitivity	<p>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)</p>
Horizontal Resolution	<p>2000 TV or higher (UHD: center)  1000 TV or higher (FHD: center)</p>
i.Zoom	×32 (FHD), ×24 (UHD)
Digital Zoom	×2/×5/×10
Lens Hood	Hood with lens cover
Memory Card Recorder	
Recording Media	<p>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.</p>

Recording Slot	microP2/SDXC UHS-II card slot x 2
Recording Pixels	3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD), 720 × 480(SD), 720 × 576 (SD)
System Frequency	59.94 Hz/50.00 Hz
Recording File Format	MOV (AVC), MOV (HEVC), AVCHD

Recording Format	Please see page 4 for the “Recording Format” table.
Recording Time	Please see back cover for the “Recording Time” table.
2 Slot Functions	Relay Rec, Simultaneous Rec, Background Rec
Special Recording Functions	Pre Rec, Interval Rec, Time Stamp
Digital Video	
Quantization	MOV: 4:2:2 10 bit/4:2:0 8 bit/4:2:0 10 bit (HEVC) AVCHD: 4:2:0 8 bit
Digital Video   Video Compression Format	H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile
Digital Audio	
Recording Audio Signal	MOV: 48 kHz/24 bit, 2 ch, Linear PCM AVCHD: 48 kHz/16 bit, 2 ch, Dolby Audio™
Headroom	12 dB/18 dB/20 dB switchable (menu)
Live Streaming	
Live Streaming   Video Compression Format	H.264/MPEG-4 AVC Main Profile, High Profile
Audio Compression Format	AAC-LC
Network Protocol	RTSP/RTP/RTMP
Video Output	
Video Output   SDI OUT	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): 1920 × 1080: 59.94p, 50p, 59.94i, 50i, 29.97Psf, 25Psf, 23.98Psf 1280 × 720: 59.94p, 50p 720 × 480: 59.94i 720 × 576: 50i
Video Output   HDMI OUT	HDMI x 1, Type A, HDMI REC REMOTE supported, VIERA Link not supported Output format (4:2:2 10 bit): 3840 × 2160: 59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080: 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 23.98p 1280 × 720: 59.94p, 50p 720 × 480: 59.94p 720 × 576: 50p
VIDEO OUT	3.5 mm diameter mini jack, composite 1.0 V [p-p], 75 Ω
Audio Input/Output	
Built-in Microphone	Stereo microphone
Input 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   SDI OUT	Linear PCM 2 ch
Audio Input/Output   HDMI OUT	Linear PCM 2 ch
Headphone	3.5 mm diameter stereo mini jack x 1
AV OUT	3.5 mm diameter stereo mini jack x 1, Output level: 600 $\Omega$ , 316 mV
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 K $\Omega$ Output: 2.0 V $\pm$ 0.5 V [p-p] low impedance 2.5 mm diameter super mini jack
Remote	2.5 mm diameter super mini jack
LAN	RJ-45: 1000BASE-T/100BASE-TX/10BASE-T
USB 2.0 HOST	Type-A, 4-pin (5 V, 0.5 A) for Wireless Module (option)
USB 3.0 DEVICE	USB 3.1 GEN1 Type-C, USB Mass storage function No USB bus power function
DC In 12V	DC 12 V EIAJ Type 4
Monitor/Viewfinder	
LCD Monitor	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
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 marked by an asterisk (*) come already attached to the camera)



	<p><a href="#">Panasonic CONNECT AG-CX350 Memory Card Camera Recorder</a> [pdf] Owner's Manual AG-CX350 Memory Card Camera Recorder, AG-CX350, Memory Card Camera Recorder, Card Camera Recorder, Camera Recorder, Recorder</p>
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References

- [User Manual](#)

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