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://oc.connect.panasonic.com/nz/en/ag-cx350

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 ℃ to 40 ℃ (32 ℉ to 104 ℉)
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)	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.
	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.
Shutter Speed(Synchro Scan)	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.
	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.
Shutter Open Angle	3.0 deg to 180.0 deg to 360.0 deg (in 0.5 deg steps)
VFR Recording Frame Rate	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)
Super Slow Recording	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
Sensitivity	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)
Horizontal Resolution	2000 TV or higher (UHD: center)
	1000 TV or higher (FHD: center)
i.Zoom	×32 (FHD), ×24 (UHD)
Digital Zoom	×2/×5/×10
Lens Hood	Hood with lens cover
Memory Card Recorder	
Recording Media	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.
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 Ω, 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 KΩ
	Output: 2.0 V ± 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)
Note	*3:NDI® is a registered trademark of Vizrt NDI AB in the United States and other countries.