Panasonic
CONNECT

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AG-CX18 / AG-CX20

The AG-CX20 is a lightweight memory card camcorder, weighing approximately 850 g*1, that offers broadcast-quality imaging and exceptional portability. It supports extended 4K/60p recording, making it ideal for long-duration shoots. With a wide-angle 25 mm lens (35 mm film equivalent) and 24x optical zoom, it delivers high-quality video capture under a wide range of shooting conditions. Advanced features such as 4K High-precision AF and face detection/tracking AE & AF provide reliable support for smooth operation even in dynamic, fast-paced shooting environments. The camcorder supports the broadcast-standard P2HD (MXF) file format, enabling simultaneous recording of main video with the AVC-Intra/AVC-LongG codec and proxy video with the AVC-Proxy G6 codec. It features internal 4:2:2 10-bit video recording and uses the High-Efficiency Video Coding (HEVC) codec for efficient video compression. The AG-CX20 built-in wireless function can also perform HD live streaming by connecting to Wi-Fi*2. The AG-CX20 brings innovation to the forefront of program production with its advanced features for

Key Features

Wide-Angle 25mm*1 Lens and 24x Optical Zoom

Supports SRT*2, NDI®* HX2*2, RTMP

High-Quality Recording with Versatile Modes

Compact, lightweight with OLED viewfinder and handle

Double SD Card Slot Meets Recording Needs

Specification	Value
General -> Power Supply	7.28V (Battery) / 9.0V (DC IN)
General -> Power Consumption	Recording: 19.8W, Charging: 15.5W
General -> Weight *1	Body: approx. 0.85kg (1.88 lb) (body only, excluding handle unit, lens hood, battery, and eye cup)
	Shooting: approx. 1.5kg (3.31 lb) (including handle unit, lens hood, battery, and eye cup)
General -> Dimensions *1	Approx. 129 x 159 x 267 mm (5.1 x 6.3 x 10.5 inch) (including handle unit, lens hood, and eye cup, excluding microphone holder)
General -> Manual Ring	Focus / Zoom or Iris
General -> LED Video Light -> Average Illumination	Approx. 70 lx (1.0m)
General -> LED Video Light -> Irradiation Angle	Approx. 30°
General -> LED Video Light -> Color Temperature	Approx. 4600K
Camera Unit -> Image Sensor	1/2.5-type (inch) MOS Sensor
Camera Unit -> Focus	Auto / Manual
Camera Unit -> Iris	Auto / Manual
Camera Unit -> Filter Diameter	62 mm
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 -> Shutter Speed -> [59.94 Hz] 59.94i/59.94p mode	60i/60p: 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500,1/2000, 1/3000, 1/4000, 1/8000 sec
	30p: 1/30, 1/50, 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500,1/2000, 1/3000, 1/4000, 1/8000 sec
	24p: 1/24, 1/48, 1/50, 1/60, 1/100, 1/120, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec
Camera Unit -> Shutter Speed -> [50.00 Hz] 50i/50p mode	50i/50p: 1/50, 1/60, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec
	25p: 1/25, 1/50, 1/60, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/750, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/8000 sec
Camera Unit -> Shutter Speed (Slow Shutter) -> [59.94 Hz] 59.94i/59.94p mode	59.94i/59.94p: 1/8, 1/15, 1/30 sec
	29.97p: 1/8, 1/15 sec
	23.98p: 1/6, 1/12 sec
Camera Unit -> Shutter Speed (Slow Shutter) -> [50.00 Hz] 50i/50p mode	50i/50p: 1/6, 1/12, 1/25 sec
	25p: 1/6, 1/12 sec
Camera Unit -> Super Slow Recording -> [SYSTEM MODE] = 59.94 Hz	FHD 120 fps (1/2 speed at 60p, 1/4 speed at 30p, 1/5 speed at 24p)
Camera Unit -> Super Slow Recording -> [SYSTEM MODE] = 50.00 Hz	FHD 100 fps (1/2 speed at 50p, 1/4 speed at 25p)
Camera Unit -> i.Zoom	OFF: 24x
	ON: Max. 48x (UHD 32x)
Camera Unit -> Digital Zoom	2x / 5x / 10x
Memory Card Recorder -> Recording Media *2	SDHC/SDXC Memory Card (Up to 512GB), UHS-I compatible, microP2 card (A series, B series)
Memory Card Recorder -> System Frequency	59.94Hz / 50.00Hz
Memory Card Recorder -> Recording Format	MOV, MP4, AVCHD, P2
Memory Card Recorder -> Video Compression Method	MOV/MP4: H.264/MPEG-4 AVC High Profile, H.265/MPEG-4 HEVC Main10 Profile
	AVCHD: H.264/MPEG-4 AVC High Profile
	P2: AVC-I100/AVC-I50: H.264/MPEG-4 AVC Intra Profile
	AVC-G50/AVC-G25/AVC-G12/AVC-G6(proxy) : H.264/MPEG-4 AVC High Profile
Memory Card Recorder -> Audio Compression Method -> MOV	LPCM, 48kHz/24bit, 2ch
Memory Card Recorder -> Audio Compression Method -> MP4	AAC, 48kHz/16bit, 2ch

Memory Card Recorder -> Audio Compression Method -> AVCHD	Dolby Audio, 48kHz/16bit, 2ch
Dual Codec -> Recording Format	MOV/MP4
Dual Codec -> Recording Format -> FHD 50 Mbps: Main Recording Side	MOV: 2160-29.97p, 25.00p, 23.98p/420LongGOP
Dual Codec -> Recording Format -> FHD 50 Mbps: Sub Recording Side	MOV: FHD 29.97p, 25.00p, 23.98p/420LongGOP
Dual Codec -> Recording Format -> FHD 8Mbps: Main Recording Side	MOV: 2160-29.97p, 25.00p, 23.98p/420LongGOP MOV: 1080-59.94p, 50.00p, 59.94i, 50.00/422LongGOP MOV: 1080-59.94p, 50.00p, 59.94i, 50.00i, 29.97p, 25.00p, 23.98p/422ALL-I MP4: 2160-29.97p, 25.00p, 23.98p/420LongGOP MP4: 1080-59.94p, 50.00p, 59.94i, 50.00i, 23.98p/420LongGOP
Dual Codec -> Recording Format -> FHD 8Mbps:Sub Recording Side	MOV: FHD/59.94p, 50.00p, 59.94i, 50.00i, 29.97p, 25.00p, 23.98p/420LongGOP MP4: FHD-59.94p, 50.00p, 59.94i, 50.00i, 29.97p, 25.00p, 23.98p/420LongGOP * The file format and frame rate for sub recording is the same as for main recording.
Streaming -> Video Compression Format	H.264/MPEG-4 AVC Main Profile, High Profile
Streaming -> Video Resolution	1920 x 1080 (FHD), 1280 x 720 (HD), 640 x 360, 320 x 180
Streaming -> Streaming Method	Unicast, Multicast
Streaming -> Frame Rate	System frequency = 59.94 Hz: 60 fps, 30 fps, 24fps System frequency = 50.00 Hz: 50 fps, 25 fps
Streaming -> Bit Rate	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 2ch
Streaming -> Network Protocol	RTSP/RTP/RTMP/RTMPS/SRT* *To be added by firmware update.
Wi-Fi -> Standard	IEEE 802.11a/b/g/n/ac
Wi-Fi -> Frequency	2.4GHz/5GHz band