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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

AG-CX20

<https://eu.connect.panasonic.com/it/en/broadcast-proav/professional-camcorders/ag-cx18-ag-cx20>

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|---|--|
| General -> Power Supply | 7.28V (Battery) / 9.0V (DC IN) |
| General -> Power Consumption | Recording: 19.8W, Charging: 15.5W |
| General -> Weight | 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 | 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 -> iZoom | OFF: 24x ON: Max. 48x (UHD 32x) |
| Camera Unit -> Digital Zoom | 2x / 5x / 10x |
| Memory Card Recorder -> Recording Media | 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, 50.00i, 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 |

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| 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 802.11 a/b/g/n/ac |
| Wi-Fi -> Frequency | 2.4GHz/5GHz band |
