JVC

1" 4K Handheld Camera Recorder

GY-HC550
GY-HC500

CONNECTED CAM™

Product photo shown with optional equipment.

4K

HDR High Dynamic Range

ProRes

Supreme 1" 4K handheld camcorder for ENG, production, and sports.

Up to 4K 60p/50p Apple ProRes 422 10-bit recording and advanced IP connectivity from any location to anywhere in the world.

Photo shows GY-HC550

Camera Features

- 4K UHD 60p/50p Apple ProRes 422 10-bit recording to SSD*
- 4K UHD 30p/25p/24p 4:2:0 8-bit recording to SDHC/ SDXC card
- 1" (effective) CMOS sensor with high picture quality
- Newly-developed 4K lens with 20x zoom
- HDR recording, HLG or J-Log1 (10-bit)
- Broadcast overlay on video and streaming (GY-HC550 only)

*with optional SSD media case by JVC

CONNECTED CAM Features

- High performance 1080 60p/50p live streaming (4K Rec + HD streaming + 4K HDMI output)
- Low latency and high-quality streaming up to 20Mbps
- LAN terminal (Streaming/IFB/Remote) in addition to USB host (v3.0)
- Return over IP (Return video and IFB)
- Auto FTP to upload native video clips automatically
- Built-in wireless LAN (2.4GHz/5GHz) MIMO with external antenna (GY-HC550 only)

Specifications

GENERAL SPECIFICATIONS	Power	DC12V (AC adapter), DC7.2V (battery)
	Power consumption	Approx. 17.5W
	Dimensions (W x H x D)	195 mm x 230mm x 445mm (with hood and viewfinder)
	Weight	3.1kg (with hood and battery, without wireless LAN antenna unit)
	Ingless protection	IPX2 equivalent
CAMERA	Image sensor	1" (effective) CMOS, effective number of pixels: approx 9.35 million
	Stabilizer	Optical image stabilizer
	Sensitivity	F11 at 2000lx 89.9% reflectance
	Lens	F2.8 (wide) to F4.5 (tele), f=9.43mm to 188.6mm (f=28mm to 560mm (35mm equivalent))
	Filter diameter	82mm
	Shutter speed	1/6 to 1/10000
	ND filter	Off, 1/4, 1/16, 1/64
	Viewfinder	0.4" LCOS Quad VGA (1280 x 960), 1280 x 720 at 16:9
	LCD monitor	3.97" LCD /WVGA (800 x 480), 800 x 450 at 16:9
VIDEO/AUDIO RECORDING	Recording media	SDHC/SDXC memory card x 2: 4K (150Mbps): UHS-1 U3, 4K (70Mbps)/HD (50Mbps): Class 10, HD (35Mbps): Class 6, SD: Class 4, High-Speed: UHS-1 U3 SSD (M.2) with optional media case by JVC
	Video codec	Apple ProRes 422, MPEG-4 AVC/H.264 (HD/SD), MPEG-2 (HD)*
	File format	MOV, MP4, MXF*
	4K UHD 60p/50p	3840 x 2160, Apple ProRes 422 HQ/Apple ProRes 422/Apple ProRes 422 LT, 10-bit
	4K UHD 30p/25p/24p (H.264)	3840 x 2160, 4:2:2 10-bit / 4:2:0 8-bit 150Mbps/70Mbps
	HD (H.264)	1920 x 1080/1280 x 720, 4:2:2 10-bit / 4:2:0 8-bit mode, etc., 50Mbps – 8Mbps
	HD (MPEG-2 Long GOP)*	1920 x 1080/1440 x 1080/1280 x 720, 35Mbps /25Mbps
	SD (H.264)	720 x 480 (U model)/720 x 576 (E/EU model), 8Mbps
	Proxy (H.264)	960 x 540/480 x 270, 3 – 1.2Mbps
	Audio recording	LPCM 2ch, 48kHz/16-bit (MOV/MXF*), μ-Law 2ch (Proxy), AAC 2ch (MP4)
LIVE VIDEO STREAMING	Protocol	RTMP, MPEG2-TS/UDP, MPEG2-TS/TCP, MPEG2-TS/RTP, RTSP/RTP, Zixi*
	Resolution and bit rate	1920 x 1080 (59.94p/50p) 20 – 8Mbps, (29.97p/25p) 20 – 3Mbps, 1920 x 1080 (59.94i/50i) 20 – 3Mbps, 1280 x 720 (59.94p/50p) 20 – 3Mbps, 1280 x 720 (29.97p/25p) 8 – 1.5Mbps, 640 x 360 (59.94p/50p) 3/1.5Mbps, 640 x 360 (29.97p/25p) 3 – 0.3Mbps
INTERFACES	Video output	3G-SDI output (BNC x 1)
		HDMI output x 1
		AV output (ø3.5mm mini jack x 1)
	Audio input	XLR x 2 (MIC, +48V/LINE), ø3.5mm mini jack x 1
	Audio output	AV output (ø3.5mm mini jack x 1)
	Headphone	ø3.5mm mini jack x 1
	Remote	ø2.5mm mini jack x 1
	Time code input/output	RCA
	USB	HOST x 1 (network connection)
	Ethernet	RJ-45 x 1
	Built-in slot	Optional SSD media case and for future expansion
	Wireless LAN	Built-in (2.4GHz/5GHz)*
PROVIDED ACCESSORIES	Battery (BN-VC264) x 1, AC adapter, power cable, lens hood, wireless LAN antenna x 2*	

*GY-HC550 exclusive features – Recording: MPEG2 (HD), MXF Rec / Streaming: Supports Zixi protocol, GPS, built-in wireless LAN with accessory antenna

Simulated pictures.
The values for weight and dimensions are approximate.
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