

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 up to 4:2:2 10-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 adapter 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)
CAMERA	Ingress protection	IPX2 equivalent
	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 adapter by JVC
	Video codec	Apple ProRes 422, MPEG-4 AVC/H.264, MPEG-2*
	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, 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
PROVIDED ACCESSORIES	Built-in slot	Optional SSD media adapter and for future expansion
	Wireless LAN	Built-in (2.4GHz/5GHz)*
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

Product and company names mentioned here are trademarks or registered trademarks of their respective owners. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. Dolby is a trademark of Dolby Laboratories. Zixi and the Zixi logo are trademarks of Zixi LLC. The SD, SDHC and SDXC are trademarks of the SD Card Association.

Simulated pictures.
The values for weight and dimensions are approximate.
E.&O.E. Design and specifications subject to change without notice.
Copyright © 2018, JVCKENWOOD Corporation. All Rights Reserved.