JVC

4K Memory Card Camera Recorder

GY-HC550
GY-HC500

CONNECTED CAM™

Photo shows GY-HC550 with optional microphone.

SRT SECURE RELIABLE TRANSPORT

ZIXI 4K HDR High Dynamic Range ProRes MPEG-2 SDHC SDXC

Ready for Various Recording Needs

H.265/HEVC Streaming

Apple ProRes 422 Recording

Multi-Purpose Slot for Expandability

H.265/HEVC KA-EN200G: H.265/HEVC Streaming Adapter

KA-EN200G

With the optional KA-EN200G H.265/HEVC Streaming Adapter attached, high-quality and efficient IP video transmission is possible.

- H.265 compression produces similar or better image quality than H.264 at 50% of bitrate.
- Supports contribution quality of 4:2:2 10-bit HEVC encoding.
- Encodes HDR video with HLG or J-LOG Gamma LUTs.
- Supports UDP, Zixi and SRT streaming protocols.

SSD Solid State Drive KA-MC100G: SSD Media Adapter

SSD Media (not included)

KA-MC100G

You can use a large-capacity, readily-available SSD (SATA M.2 SSD Type2280)* as recording media. Just insert it in the optional KA-MC100G and attach to the camera. SSD media delivers excellent sequential read speed to tackle professional workload and its high-capacity extends recording time of 4K UHD video. High-speed transfer of huge amounts of recorded footage is also available.

* Approved SSD media should be used. Refer to the JVC website for detailed information.

ProRes 4K UHD/HD 60p/50p ProRes 422 10-bit Recording

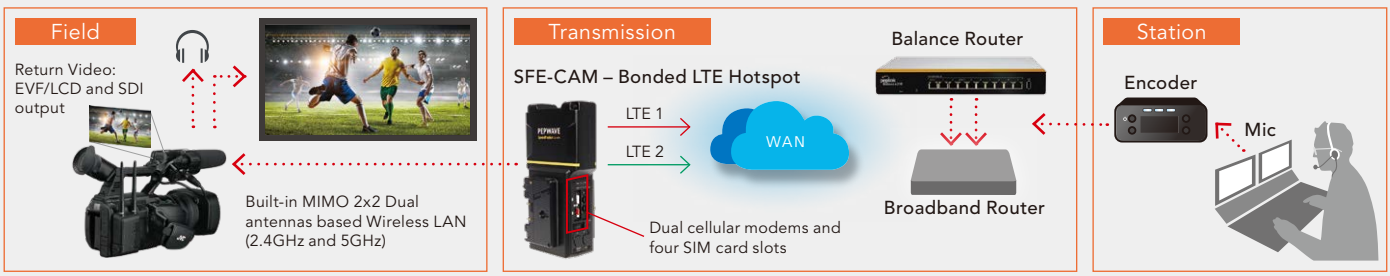
By using the SSD media, ProRes 422 recording becomes possible for attention-grabbing 4K/HD 60p/50p image creation. ProRes 422 offers virtually lossless intra-frame compression, which speeds up post-production. Footage is recorded in native file formats that are understood by most major editing applications without transcoding. This is helpful for efficient workflow of editing and post process. The 4:2:2 format also provides richer color information and 10-bit recording delivers rich gradations—a definite advantage for grading work after recording.

Backup Recording to SSD

Backup recording to record ordinary Rec Start/Stop-controlled footage in the SD Card of slot A while recording all data on the SSD even when slot A is paused.

■ IFB and Return Video over IP (SRT, RTSP/RTP, Zixi [GY-HC550], Icecast (Audio))

The GY-HC550/HC500 features built-in IFB and Return Video decoders capable of receiving the H.264 stream over the Internet via RTSP "Pull" protocol (Return Video) and Icecast streams for the IFB. The camera can receive either IFB or Return Video, not both simultaneously.
Return Video is displayed in the viewfinder and LCD and output via SDI when the pre-assigned button "Return Video" is pressed once. The second press would return the LCD/EVF/SDI to the live video output. The HDMI output does not switch to Return Video and outputs live video all the time.



SFE-CAM is a bonded cellular hotspot that connects interactively to multiple GY-HC550/HC500 camcorders and features Peplink's patented SpeedFusion™ technology. SFE-CAM bonds multiple cellular and wireless LAN connections enabling the user to send digital video at greater speeds than you could with a single modem. Provided with dual cellular modems with redundant SIM slots and dual band Wireless LAN, you can use up to four different providers for bandwidth bonding.

Ready for Quality, Reliable Streaming

Variety of QoS Technologies

Zixi | SRT | SMPTE 2022-1

Various Protocols for QoS including SRT, Zixi*, and SMPTE 2022-1

SRT SECURE RELIABLE TRANSPORT

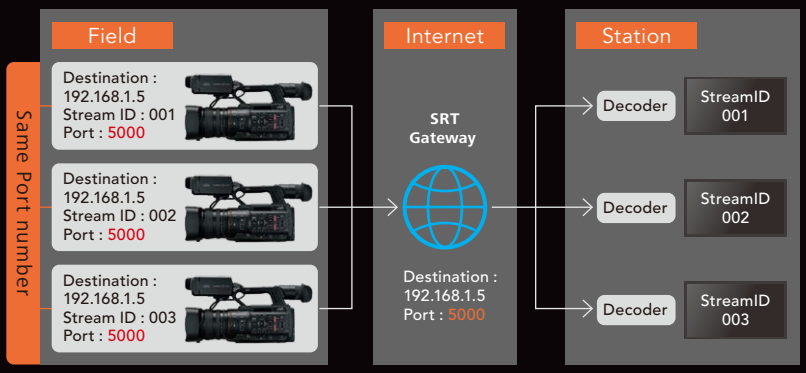
ZIXI

For quality, reliable streaming, the CONNECTED CAM camcorders feature various QoS (Quality of Service) capabilities including Zixi, SRT and SMPTE 2022-1. Forward error correction (FEC), automatic repeat request (ARQ), and adaptive bitrate control are supported to ensure error-free video delivery in packet loss environments such as when streaming over cellular networks.

* Zixi is not available with GY-HC500. For GY-HC550, Zixi and SRT protocols do not co-exist as it requires exclusive firmware to install. Choose either protocol to use when installing initially.

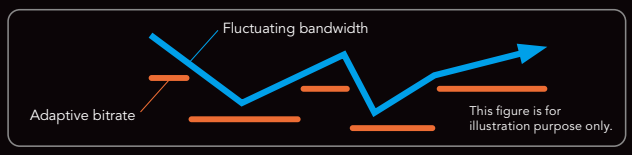
SRT Stream ID for Added Security

Stream ID protects a video channel from unauthorized access. The SRT decoder only accepts streams with embedded, encoder-specified Stream IDs and all other streams are ignored. To receive multiple streams differentiated by unique Stream IDs, only a single port is necessary so that the additional security is assured when delivering video over public networks.



SRT Network Adaptive Bitrate

Sender is able to monitor the delivery status, and can spontaneously adjust to achieve the optimum bit rate.

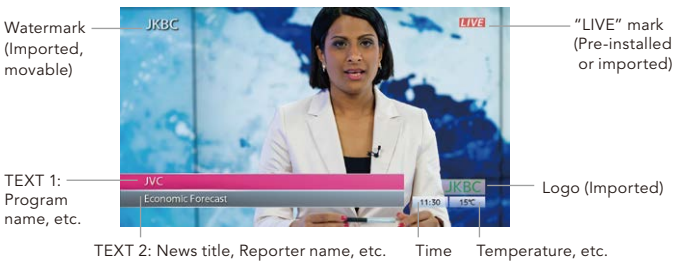


SRT PCR (Program Clock Reference) Fast Mode

"Standard" and "Fast" modes available. Fast mode offers low latency with delay time shortened by about 100ms to 200ms than that of Standard. (Tested using JVC BR-DE900)

■ Broadcast Info Overlay on HD Video and Streaming

GY-HC550



Real-time broadcast information overlays are available for HD recorded video or streamed video without an external CG or production switcher.

- This feature is not available in 4K or SD mode.
- Overlay designs can be created in various language characters using JVC's SDP Generator (free software).

■ IP Remote Control with Viewing

Various camera operations can be controlled via wireless/wired LAN from a smartphone, tablet and PC.

■ Auto/Progressive FTP

During shooting, recorded video clips are automatically uploaded to the server.

■ NTP (Network Time Protocol)

The combination of GY-HC550/HC500 and KM-IP6000/IP4100 provides an affordable multi-camera live production solution with Network Time Protocol. Suitable for compact live production and streaming studios to deliver live events such as concerts, sports, ceremonies, and conferences.

■ VITC (Vertical Interval Time Code)

Can use the industry-standard TC, compatible with Haivision, VITEC, and other decoders.

■ Built-in GPS GY-HC550

Enables location information to be recorded or streamed as metadata.

Go Live Streaming on the Social Network!

The GY-HC550/HC500 offers the "Easy Setup" funciton for YouTube Live and Facebook Live via simple step-by-step menu operations.

Easy Setup for YouTube Live

You can select scheduled or immediate streaming (Schedule On/Off setting) for YouTube Live.

Easy Setup for Facebook Live

Just follow the camcorder's menu settings and you can easily get ready to stream over the Facebook Live.

RTMPS Support (Real Time Message Protocol over Secure Sockets Layer)
Facebook Live requires all encoders to use the RTMPS protocol. Count on the GY-HC550/HC500 that supports more resolution and bitrate formats of the RTMPS protocol.

JVC is a member of "Facebook Live Solution Partners".
https://www.facebook.com/formedia/solutions/facebook-live

Vertical and Square Streaming for the Social Network

Vertical or square angle of view can be selected for streaming to the applicable social network services.

White guidelines will appear on the LCD and viewfinder.

Streaming Format Availability

Conditions: [1] Record Format:H.264, [2] without overlay and timestamp, [3] without KA-EN200G

Resolution 1920x1080 — Frame Rate 60p, 50p (Not available in MPEG2 recording)

Bitrate	MPEG2-TS/UDP	MPEG2-TS/TCP	MPEG2-TS/RTP	RTSP	Zixi	SRT (FEC Off)	SRT (FEC On)	RTMP	RTMPS	Facebook Live (RTMPS)	YouTube Live (RTMP)
24Mbps	●										
20Mbps	●	●									
16Mbps	●	●	●								
12Mbps	●	●	●	●	●	●		●	●	●	
8Mbps	●	●	●	●	●	●	●	●	●	●	●
5Mbps											●
3Mbps											
1.5Mbps											
0.8Mbps											
0.3Mbps											

Resolution 1920x1080 — Frame Rate 60i, 50i and 30p, 25p

Bitrate	60i, 50i MPEG2-TS/UDP	MPEG2-TS/TCP	MPEG2-TS/RTP	RTSP	Zixi	SRT	RTMP	30p, 25p MPEG2-TS/UDP	MPEG2-TS/TCP	MPEG2-TS/RTP	RTSP	Zixi	SRT	RTMP	RTMPS	Facebook Live (RTMPS)	YouTube Live (RTMP)
24Mbps																	
20Mbps	●							●									
16Mbps	●	●	●					●	●	●							
12Mbps	●	●	●					●	●	●							
8Mbps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
5Mbps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3Mbps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1.5Mbps																	
0.8Mbps																	
0.3Mbps																	

Resolution 606x1080, 1080x1080 — Frame Rate 60p, 50p, 30p, 25p (Not available in MPEG2 recording)

Bitrate	RTMP	RTMPS	Facebook Live (RTMPS)	YouTube Live (RTMP)
24Mbps				
20Mbps				
16Mbps				
12Mbps				
8Mbps	●	●	●	
5Mbps	●	●	●	●
3Mbps	●	●	●	●
1.5Mbps				
0.8Mbps				
0.3Mbps				

Resolution 1280x720 — Frame Rate 60p, 50p and 30p, 25p

Bitrate	60p, 50p MPEG2-TS/UDP	MPEG2-TS/TCP	MPEG2-TS/RTP	RTSP	Zixi	SRT	RTMP	RTMPS	Facebook Live (RTMPS)	YouTube Live (RTMP)	30p, 25p MPEG2-TS/UDP	MPEG2-TS/TCP	MPEG2-TS/RTP	RTSP	Zixi	SRT	RTMP	RTMPS	Facebook Live (RTMPS)	YouTube Live (RTMP)
24Mbps																				
20Mbps	●																			
16Mbps	●	●	●																	
12Mbps	●	●	●																	
8Mbps	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●		
5Mbps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
3Mbps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1.5Mbps											●	●	●	●	●	●	●	●	●	●
0.8Mbps																				
0.3Mbps																				

Resolution 404x720, 720x720 (60p, 50p, Not available in MPEG2 recording) and 720x480 or 720x576 (60i, 50i)

Bitrate	404x720, 720x720 RTMP	RTMPS	Facebook Live (RTMPS)	YouTube Live (RTMP)	720x480 or 720x576 MPEG2-TS/UDP	MPEG2-TS/TCP	MPEG2-TS/RTP	RTSP	Zixi	SRT	RTMP
24Mbps											
20Mbps											
16Mbps											
12Mbps											
8Mbps					●	●	●	●			
5Mbps	●	●	●		●	●	●	●	●	●	●
3Mbps	●	●	●	●	●	●	●	●	●	●	●
1.5Mbps	●	●	●	●	●	●	●	●	●	●	●
0.8Mbps					●	●	●	●	●	●	●
0.3Mbps					●	●	●	●	●	●	●

Resolution 640x360 — Frame Rate 60p, 50p and 30p, 25p

Bitrate	60p, 50p MPEG2-TS/UDP	MPEG2-TS/TCP	MPEG2-TS/RTP	RTSP	Zixi	SRT	RTMP	30p, 25p MPEG2-TS/UDP	MPEG2-TS/TCP	MPEG2-TS/RTP	RTSP	Zixi	SRT	RTMP	RTMPS	Facebook Live (RTMPS)	YouTube Live (RTMP)
24Mbps																	
20Mbps																	
16Mbps																	
12Mbps																	
8Mbps																	
5Mbps																	
3Mbps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1.5Mbps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
0.8Mbps								●	●	●	●	●	●	●	●	●	●
0.3Mbps								●	●	●	●	●	●	●	●	●	

KA-EN200G: H.265/HEVC Streaming Format

Resolution	1920x1080									1280x720								
Frame Rate	60p, 50p						30p, 25p			60p, 50p						30p, 25p		
Color depth, Sampling	4:2:2, 10-bit	4:2:0, 8-bit	4:2:2, 10-bit	4:2:0, 8-bit	4:2:2, 10-bit	4:2:0, 8-bit	4:2:0, 8-bit	4:2:0, 8-bit	4:2:0, 8-bit	4:2:2, 10-bit	4:2:0, 8-bit	4:2:2, 10-bit	4:2:0, 8-bit	4:2:2, 10-bit	4:2:0, 8-bit	4:2:0, 8-bit	4:2:0, 8-bit	4:2:0, 8-bit
Type / Bitrate	MPEG2-TS/UDP		Zixi		SRT		MPEG2-TS/UDP	Zixi	SRT	MPEG2-TS/UDP		Zixi		SRT		MPEG2-TS/UDP	Zixi	SRT
24Mbps	●																	
20Mbps	●																	
16Mbps	●	●					●											
12Mbps	●	●	●				●			●								
8Mbps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5Mbps		●		●		●	●	●	●	●	●	●	●	●	●	●	●	●
3Mbps		●		●		●	●	●	●	●	●	●	●	●	●	●	●	●
1.5Mbps		●		●		●	●	●	●	●	●	●	●	●	●	●	●	●
0.8Mbps											●		●		●	●	●	●
0.3Mbps																		

Attention: Zixi is not available with GY-HC500. For GY-HC550, Zixi and SRT protocols do not co-exist as it requires exclusive firmware to install. Choose either protocol to use when installing initially.

1-Inch CMOS

1" CMOS 4K Image Sensor

The GY-HC550/HC500 features a 1-inch CMOS 4K image sensor for uncompromised image quality. This large sensor delivers a superior dynamic range, high S/N ratio and high sensitivity (F11 at 2000lx). Details are crisp and accurate throughout the entire image plane.

20x Zoom Lens

20x Optical/40x Dynamic Zoom Lens with Manual Functions

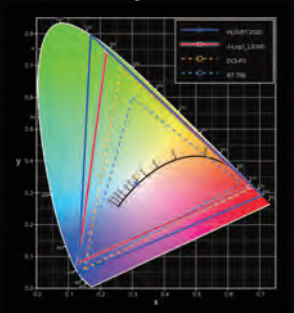
A wide angle 20x optical zoom lens for flexible magnification. When shooting in HD mode, Dynamic Zoom combines optical zoom and pixel mapping from a 4K image sensor to create seamless and lossless 40x zoom. An optical image stabilizer and chromatic aberration correction are also available.

Original image at wide end　　20x Optical Zoom

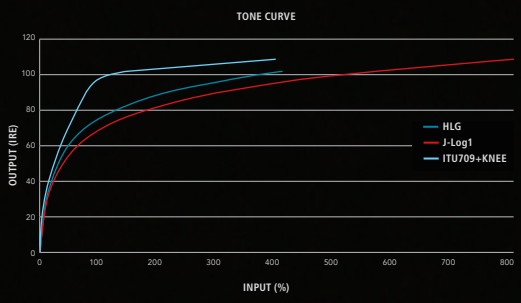
HDR High Dynamic Range

HDR via HLG/J-Log 1

HLG & J-Log 1 Color Gamut



J-Log 1 and Rec709+Knee Gamma



The GY-HC550/HC500 is equipped with an HDR compatible HLG (Hybrid Log Gamma) mode and JVC's proprietary J-Log 1 Gamma mode. These enable high dynamic range capture of a broad color spectrum with 10-bit recording for better color grading and to avoid banding. Footage recorded in HLG mode will deliver a full HDR image when viewed on HLG-compatible monitors. The J-Log 1 mode delivers wide latitude and a high dynamic range of 800%. In the field, it's possible to record while checking the image on the camera's LCD screen or viewfinder to get a grasp of the final output.

[HLG Workflow]

GY-HC550/HC500 supports HLG recording which enables simple HDR workflow without color grading. Avoiding clipped highlights or shadows, images are more realistic and vibrant. BT.2020 which offers wider color gamut is also supported.

High-Speed Recording for 1080p Slow Motion Playback

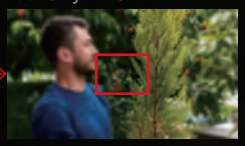
High-speed recording (1920x1080) at up to 120fps (59.94Hz)/100fps (50Hz) is available for smooth slow motion playback (up to 1/5 slow at 24p mode). It helps create artistic effects and lets you watch replays to examine sporting skills.

Extremely Practical Auto Focus and Assist Functions

The Auto Focus and Focus Assist functions provide the highly accurate, stable focusing that is essential for 4K shooting. Moreover, its broad customizability enables it to perform in a variety of shooting situations.

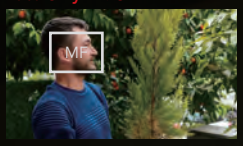
Face Detection: ON

Face Only AF: OFF



When the face turns away and face detection fails, focus comes into the subject in the background.

Face Only AF: ON



When face detection fails, focusing automatically switches to MF while maintaining the focus on the position of the face.

Robust Body and Excellent in Weather Resistance

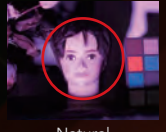
Designed to work in harsh environments, its weather-resistant robust body enables image gathering in the field with confidence.

Switchable IR Shooting

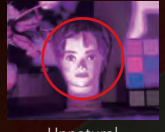
IR filter can be switched disabled (Infrared ON) to increase infrared sensitivity for shooting in extremely low illuminance. The IR shooting function can be assigned to the "USER" button.

Auto Color Matrix Adjustment under LED Light

Auto Color Matrix Adjustment reproduces natural images when shooting under LED lighting in Full Auto mode.



Natural



Unnatural

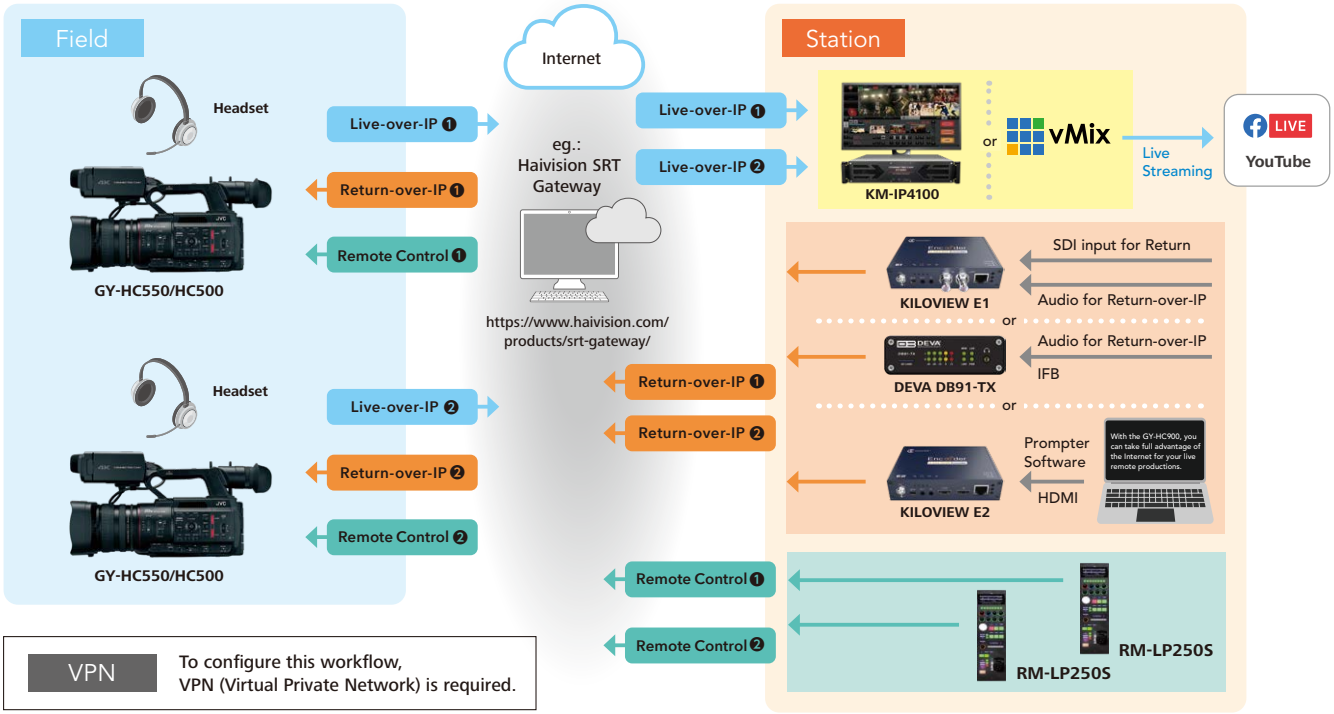
Remote Zoom Ease

"Remote Zoom Ease" provides zoom operation sensitivity on the wired remote, similar to the zoom lever on the camcorder handle.

SRT Remote Production over the Internet (REMI)

You can take full advantage of the Internet for your live remote productions. Just bring your camera operators on location—no massive external devices requiring teams of people to operate are necessary. Connect via LAN, Wi-Fi or 4G/5G LTE* to transport broadcast quality video to a remote studio—even receive return video and IFB—all over the Internet.

*Availability differs by model.



VPN — To configure this workflow, VPN (Virtual Private Network) is required.

GY-HC550/HC500 Camera System

Live-over-IP

Item	Model	Description	Qty
1	GY-HC550/HC500	4K Memory Crad Camera Recorder	2
2	QAN0067-003	Microphone	2
3		Headset	2
4	Battery and Power System		
5	SDHC/SDXC Memory Card		
6	KA-MC100G	SSD Medeia Adapter	
7	SSD Media		
8	Internet Connection (Requires also for "Station" side)		

KM-IP4100

Live-over-IP

Model	Description	Qty
KM-IP4100/4000/4000S	LIVE STREAMING PRODUCTION SUITE	1
Monitor	Monitor for KM-IP4000	1

vMix (vmix.com)

Live-over-IP

vMix		1

Return Video (with Audio) over the Internet

Return-over-IP

KILOVIEW E1	H.264 HD SDI to IP Wired Video Encoder Converter	
Audio	Studio Audio Mixer, etc.	

IFB (Talkback) over the Internet [Protocol: Icecast]

Return-over-IP

DEVA DB91-TX	Compact IP Audio Encoder	
Audio	Studio Audio Mixer, etc.	

Prompter over the Internet

Return-over-IP

KILOVIEW E2	H.264 HDMI to IP Wired Video Encoder	
PC	With Prompter Software installed	

Remote Control

Remote Control

RM-LP250S (Joystick)	IP Remote Control Panel	2

CONNECTED CAM STUDIO

CONNECTED CAM STUDIO KM-IP6000 (6-input) and KM-IP4100 (4-input) are the flagships of a new generation of advanced live production and streaming switchers. Operation via an intuitive and easy-to-use touch-screen user interface makes live production work extremely fast, flexible and fun.

Controllong 3 cameras with a controller and a streaming switchers

Item	Model	Description	Qty
1	RM-LP250M (Encoder)	IP Remote Control Panel	1
2	GY-HC550/HC500	4K Memory Card Camera Recorder	3
	QAN0067-003	Microphone for GY-HC550/HC500	3
3	KM-IP4100/4000/4000S	LIVE STREAMING PRODUCTION SUITE	1
4	Monitor	(for use with KM-IP4100)	1

Item	Model	Description	Qty
5	Monitor	Monitor for PGM out	1
6	Microphone		1
7	Control	LAN Cable	6
8		HUB (PoE+ for RM-LP250M)	1
9	Internet Connection	Broadband Router (to connect the Internet)	

GY-HC550 / GY-HC500 Comparison

		GY-HC550	GY-HC500
Codec	MPEG-2/MXF	Yes	No
Hardware	GPS	Yes	No
	Wireless LAN 2.4G/5G	Built-in	With optional USB dongle
IP	Zixi protocol	Zixi or SRT*	No
	SRT protocol		Yes
Broadcast Overlay		Yes	No

* Select either one at initial firmware installation.

Extended Slot

Choose either one — as only one extended slot is available.

H.265/HEVC Streaming Adapter
KA-EN200G

SSD Media Adapter
KA-MC100G

SSD Media
(not included)

Accessories

BN-VC2128
Battery
12800mAh, 92Wh Voltage: 7.2V
W42 x H72 x D93 mm 455g

BN-VC296
Battery
9600mAh, 69Wh Voltage: 7.2V
W42 x H72 x D69 mm 342g

AA-VC20
Battery Charger
W131x H40 x D103 mm
150g

KM-IP6000/IP4100
KM-IP6000S/IP4000S
KM-IP4000
(for Americas market)
Live Streaming
Production Suite
Monitor is not included.

KA-MC100G
SSD Media Adapter
SSD media is not
included.

SAMSUNG
860 EVO SATA M.2 SSD 2TB
(1TB/500GB)

WD Blue™
SATA SSD M.2 2280 2TB
(1TB/500GB)

KA-EN200G
H.265/HEVC
Streaming Adapter

RM-LP250S **RM-LP250M**

RM-LP250S : Joystick version, Can control a single camera
RM-LP250M : Encoder version, Can control up to 3 cameras

RM-LP250 is an IP based remote control panel for CONNECTED CAM models (GY-HC500 Series and GY-HC900 Series). It enables versatile control of iris functions and other camera settings with ethernet connection (RJ-45).

RM-LP100
Remote Camera
Controller

BR-DE900
ProHD Decoder

zRAMP-4
(Zixi zRAMP 4-in/4-out)
zRAMP-2
(Zixi zRAMP 2-in/2-out)
Streaming Management
Server

QAN0067-003
Microphone
for ProHD/4K
Camcorder

Specifications

GENERAL SPECIFICATIONS	Power	DC12V (AC adapter), DC7.2V (battery)	
	Power consumption	Approx. 24W (Default setting)	
	Dimensions (W x H x D)	188mm x 227mm x 437mm (with lens hood)	
	Weight	3.6kg (with lens hood and battery, without wireless LAN antenna unit)	
	Temperature	Operating: 0°C to 40°C, Storage: -20°C to 50°C	
	Humidity	Operating: 30% to 80%, Storage: Under 85%	
CAMERA	Image sensor	1" (effective) CMOS, effective number of pixels: approx 9.35 million	
	Synchronizing	Internal synchronization	
	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 (48Hz), 1/7.5 (60Hz) to 1/10000	
	Gain	-6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24 Lolux (30, 36) dB, AGC	
	ND filter	OFF, 1/4, 1/16, 1/64	
	Viewfinder	0.4" LCOS approx 3.68M pixels Quad VGA (1280 x 960), 1280 x 720 at 16:9	
	LCD monitor	3.97" LCD approx. 1.15M pixels 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 (70Mbps/50Mbps): Class 10, HD (35Mbps):Class 6, SD: Class 4, Web: Class 4, High-Speed: UHS-1 U3, Exchange (U model)/MP4 (Emodel): Class 4
		SSD (Solid State Drive) Type M.2 SATA	With KA-MC100G (optional)
	Video codec	ProRes 422, MPEG-4 AVC/H.264, MPEG-2 [GY-HC550]	
	File format	QuickTime, MP4, MXF [GY-HC550]	
	Audio recording	LPCM 2ch, 48kHz/24-bit/16-bit , μ-Law 2ch (Web), AAC 2ch (Exchange/MP4), Detail information is shown in Recording Formats chart below.	
LIVE VIDEO STREAMING	Protocol	MPEG2-TS/UDP, MPEG2-TS/TCP, MPEG2-TS/RTP, RTSP, Zixi (GY-HC550 only), SRT, RTMP, RTMPS, Facebook Live (RTMPS), YouTube Live (RTMP)	
	Resolution and bit rate	*>> Refer to "Streaming Format Availability" chart on page 3 for details.*	
	Return over IP	RTSP/RTP, Zixi [GY-HC550], Icecast (Audio)	
	Audio	AAC 2ch 128Kbps (1.5Mbps over), 64Kbps (0.8Mbps under)	
INTERFACES	Video/Audio output	3G-SDI output (BNC x 1) (up to 1920 x 1080 60p 4:2:2 10-bit), HDMI output x 1 (up to 3840 x 2160 60p 4:2:2 10-bit)	
	Audio input	XLR x 2 (MIC, +48V/LINE), 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 x 1	
	USB	HOST x 1 (network connection, USB 2.0)	
	Ethernet	RJ-45 x 1	
	Extended slot	KA-EN200, KA-MC100G, and for future expansion purposes Choose either one —as only one extended slot is available	
	Wireless LAN [GY-HC550]	Built-in (2.4GHz/5GHz) MIMO with dual external antennas	
PROVIDED ACCESSORIES	Battery (BN-VC296) x 1, wireless LAN antenna x 2 [GY-HC550], AC adapter, power cable, lens hood, vent hood		

Various Codecs and Recording Formats

System	Video format	Resolution	Frame rate			Bit rate	Audio	Rec time (min.)	
4K UHD	ProRes 422 HQ	3840 x 2160	59.94p/50p/29.97p/25p/23.98p		4:2:2 10-bit	1768/1475/884/737/707Mbps	LPCM 2ch 48kHz/24bit	67/80/134/161/167	1TB SSD
	ProRes 422					1178/983/589/492/471Mbps		101/121/201/240/251	
	ProRes 422 LT					821/684/410/342/328Mbps		144/173/288/345/359	
	QuickTime (MPEG-4.AVC/H.264)	3840 x 2160	29.97p/25p/23.98p		4:2:2 10-bit	150Mbps	LPCM 2ch 48kHz/24bit	50	64GB SD Card
					4:2:0 8-bit	150Mbps	LPCM 2ch 48kHz/16bit	50	
						70Mbps		106	
HD	ProRes 422 HQ	1920 x 1080	59.94p/50p/29.97p/25p/23.98p		4:2:2 10-bit	440/367/220/184/176Mbps	LPCM 2ch 48kHz/24bit	240/290/480/570/600	1TB SSD
	ProRes 422					293/245/147/122/117Mbps		360/430/710/850/890	
	QuickTime (MPEG-4.AVC/H.264)	1920 x 1080	59.94p/50p		4:2:2 10-bit	70Mbps (422 XHQ)	LPCM 2ch 48kHz/24bit	105	64GB SD card
			59.94p/59.94i/50p/50i/29.97p/25p/23.98p			50Mbps (422 XHQ)		145	
		1280 x 720	59.94p/50p						
		1920 x 1080	59.94p/59.94i/50p/50i/29.97p/25p/23.98p		4:2:0 8-bit	50Mbps (XHQ)	LPCM 2ch 48kHz/16bit	147	
			59.94i/50i/29.97p/25p/23.98p			35Mbps (UHQ)		207	
		1280 x 720	59.94p/50p						
	QuickTime/MXF (MPEG-2 Long GOP) [GY-HC550]	1920 x 1080	59.94i/50i/29.97p/25p		4:2:0 8-bit	35Mbps (HQ)	LPCM 2ch 48kHz/16bit	206	
		1440 x 1080	59.94i/50i						
		1280 x 720	59.94p/50p						
		1440 x 1080	59.94i/50i			25Mbps (SP)		283	
	Exchange (U model) MP4 (E/EC model)	1920 x 1080	59.94p (U model only) / 50p (E/EC model only)		4:2:0 8-bit	12Mbps (LP)	AAC 2ch 48kHz/16bit	580	
		1280 x 720				8Mbps (LP)		794	
SD	QuickTime (MPEG-4.AVC/H.264)	720 x 480 (U model)	59.94i		4:2:0 8-bit	8Mbps (HQ)	LPCM 2ch 48kHz/16bit	785	
		720 x 576 (E/EC model)	50i						
WEB (Proxy)	QuickTime (MPEG-4.AVC/H.264)	1280 x 720	60p/50p		4:2:0 8-bit	6Mbps (LP)	μ-law 2ch 16kHz	1040	
		720 x 480	59.94i			8Mbps (HQ)		760	
		720 x 576	50i						
		960 x 540	29.97p/25p/23.98p			3Mbps (HQ)		2160	
		480 x 270	29.97p/25p/23.98p			1.2Mbps (LP)		4720	
High-Speed	QuickTime (MPEG-4.AVC/H.264)	1920 x 1080	120fps	59.94p	4:2:2 10-bit	70Mbps (XHQ422)	LPCM 2ch 48kHz/24bit	(Deffers by setting)	
			100fps	50p					
			120fps	59.94p/29.97p/23.98p		50Mbps (XHQ422)			
			100fps	50p/25p					
			120fps	59.94p/29.97p/23.98p	4:2:0 8-bit	50Mbps (XHQ)	LPCM 2ch 48kHz/16bit		
			100fps	50p/25p					
			120fps	29.97p/23.98p		35Mbps (UHQ)			
			100fps	25p					

Simulated pictures.Values for weight and dimensions are approximate.
E.&O.E. Design and specifications subject to change without notice.

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