

# GY-HC550/500 Firmware V0120 Updated Features and Instructions

14<sup>th</sup> Feb 2020

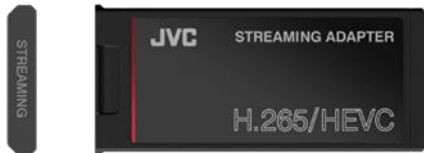
1. Added H.265/HEVC live streaming with optional KA-EN200 H.265/HEVC streaming adapter inserted in extended slot.

With optional KA-EN200 streaming adapter , it enables to perform live streaming with H.265/HEVC from GY-HC550/500.

KA-EN200 is inserted to extended slot of GY-HC550/500. Please refer to instruction manual of KA-EN200 on how to fix KA-EN200.

[Network] > [Live streaming] > [Option Adapter] select "Enable"

After reboot set streaming server.



KA-EN200 (Option)

Supported resolution and frame rate of Live streaming

U model, E model common

REC format				LiveStreaming format			
System	File format	Resolution	Frame rate	1920x1080 60p	1920x1080 30p	1280x720 60p	1280x720 30p
HD	QuickTime (H.264)	1920x1080	60p	✓	✓	✓	✓
			60i	✓	✓	✓	✓
			30p	--	✓	--	✓
	QuickTime (MPEG2)	1920x1080	60p	--	--	✓	✓
			60i	✓	✓	✓	✓
			30p	--	✓	--	✓
MXF (MPEG2)	1440x1080	60i	✓	✓	✓	✓	
		1280x720	60p	--	--	✓	✓

REC format				LiveStreaming format			
System	File format	Resolution	Frame rate	1920x1080 50p	1920x1080 25p	1280x720 50p	1280x720 25p
HD	QuickTime (H.264)	1920x1080	50p	✓	✓	✓	✓
			50i	✓	✓	✓	✓
			25p	--	✓	--	✓
	QuickTime (MPEG2)	1920x1080	50p	--	--	✓	✓
			50i	✓	✓	✓	✓
			25p	--	✓	--	✓
MXF (MPEG2)	1440x1080	50i	✓	✓	✓	✓	
		1280x720	50p	--	--	✓	✓

U model only

REC format				LiveStreaming format			
System	File format	Resolution	Frame rate	1920x1080 60p	1920x1080 30p	1280x720 60p	1280x720 30p
HD	Exchange	1920x1080	60p	✓	✓	✓	✓
		1280x720	60p	--	--	✓	✓

E model only

REC format				LiveStreaming format			
System	File format	Resolution	Frame rate	1920x1080 50p	1920x1080 25p	1280x720 50p	1280x720 25p
HD	MP4	1920x1080	50p	✓	✓	✓	✓
		1280x720	50p	--	--	✓	✓

Memo

- (1) Selectable 4:2:2 mode or 4:2:0 mode at 60p/50p  
fixed 4:2:0 at 30p/25p

**2. Added HD(MPEG-2 (MOV,MXF)) at HD + Web**

Added "QuickTime(MPEG2)"and "MXF(MPEG2)"

[System] → [Record Set] → [Record Format] →[System] "HD + Web" → HD format  
Format Combination of A-slot +B-slot (HD+Web)

In this case Web N/A interlace format

HD+Web				
[A]Fmt/Reso	[A]Frame Rate	[B] Resolution	[B]Frame Rate	[B] Bit Rate
<b>MOV(MPEG2) 1920x1080</b>	30p/60i	960x540	30p	3M(HQ)
		480x270	30p	1.2M(LP)
	25p/50i	960x540	25p	3M(HQ)
		480x270	25p	1.2M(LP)
<b>1440x1080</b>	60i	960x540	30p	3M(HQ)
		480x270	30p	1.2M(LP)
	50i	960x540	25p	3M(HQ)
		480x270	25p	1.2M(LP)
<b>1280x720</b>	60p	960x540	30p	3M(HQ)
		480x270	30p	1.2M(LP)
	50p	960x540	25p	3M(HQ)
		480x270	25p	1.2M(LP)
<b>MXF(MPEG2) 1920x1080</b>	30p/60i	960x540	30p	3M(HQ)
		480x270	30p	1.2M(LP)
	25p/50i	960x540	25p	3M(HQ)
		480x270	25p	1.2M(LP)
<b>1440x1080</b>	60i	960x540	30p	3M(HQ)
		480x270	30p	1.2M(LP)
	50i	960x540	25p	3M(HQ)
		480x270	25p	1.2M(LP)
<b>1280x720</b>	60p	960x540	30p	3M(HQ)
		480x270	30p	1.2M(LP)
	50p	960x540	25p	3M(HQ)
		480x270	25p	1.2M(LP)

### 3. Supported control from the RM-LP250S and RM-LP250M, IP Remote controller.

Supported RM-LP250S and RM-LP250M, New IP Remote controller of CONNECTED CAM STUDIO series. It enables Iris and Color etc control via IP.

It needs to match camera setting of "User " and "Password" for Web access with those of RM-LP250S/M. Check Iris control enables from RM-LP250S/M after turning power ON the camera.

When camera crew control IRIS, shut the network connection (setting Network Off) and Operate (1) or (2)

- (1) Reboot the camera.
- (2) Put "Full auto" button On/Off Push the button twice

See Instructions Manual of RM-LP250S/M on operation of Remote controller.

RM-LP250S

RM-LP250M



\*Required version up of RM-LP250S/M to connect with GY-HC550/500

#### 4. Added new frame rates on Return-over-IP

Added new frame rate in the Return-over-IP function.

[Network] > [Return over IP] > [Return Server] > [Frame rate]

Added 30p,25p

When select "RTSP/RTP" or "ZIXI" in [Type] , Selectable frame rate is among 60p/50p/30p/25p

## 5. Menu Screen is displayed on View remote control

When use remote control from Web browser and shown View remote control screen, Menu screen can be displayed on view remote control screen.  
It becomes easier to remote control from PC or Smart phone.

\*When tapping (Tablet or Smartphone) or clicking (PC) any point on screen, Display (information characters and icons on screen) are turned on/off

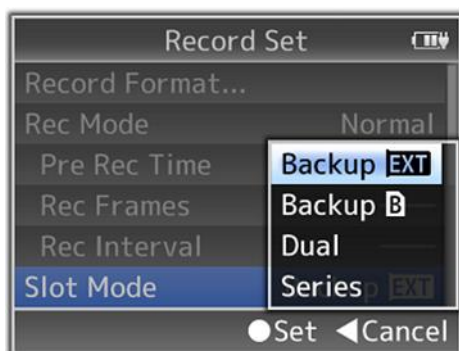


## 6. Added Backup Rec to SSD (Extended slot) at 4K Rec(H.264 to SD card)

In case of Selected "4K" (H.264 30p/25p/24p) [System] > [Recording Set] > [Rec Format] > [System] Added backup recording to SSD

Revised Menu

- Added "Backup EXT" [System] → [Record Set] → [Slot Mode]
- "Backup EXT": Backup Recording to SSD+ KA-MC100 (optional) in the Extended slot.
- Conventional Backup (JVC Camcorder) is changed "Backup B" (SD card)
- "Backup B": Backup Recording to SD/SDHC/SDXC card in B slot
- Restriction of "Backup EXT" is same as "Backup B"



SSD Media Adapter  
KA-MC100G (Option)



Please insert SSD in the KA-MC100G.  
SSD (SATA M.2, Type2280)



\*Required optional KA-MC100 and recommended SSD media

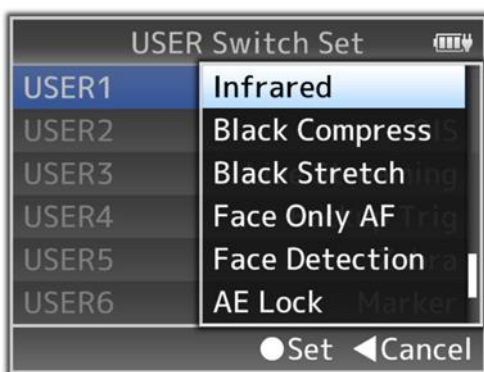
Memo

- \* Record Set is fixed "Normal"
- \* Not available following functions  
View Remote control from PC, Clip Cutter
- \* When changed setting , it may needed reboot of unit.
- \* In case of selecting "Backup EXT" in [Slot Mode]  
Selectable "HDMI" or "SDI" in [V/A set] > [Video Set] > [HDMI/SDI OUT]

**7. Assignable " Infrared shooting SW " to any favorite USER button**

"Infrared" can be assigned to any user button.

[Camera Function] > [USER Switch Set]    Select "Infrared"



8. Enables to output HD-SDI at 4K EXT(SSD) recording

While Rec format is selected "4K EXT(SSD)"

[AV Set] > [Video Set] > [HDMI/SDI OUT] Select [HDMI] or [SDI]

