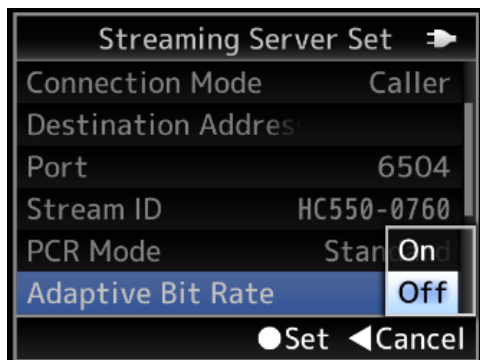


GY-HC550/500 Firmware V0220 Updated Features and Instructions

2nd Apr 2021

1. Added SRT Adaptive Bit Rate function

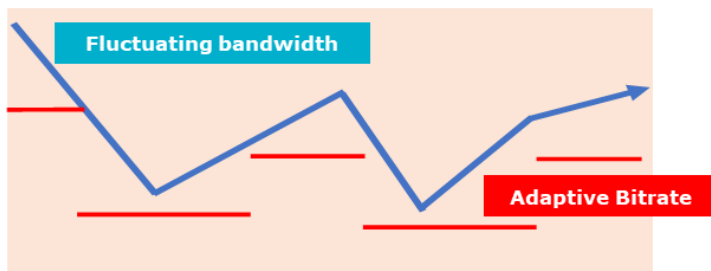
Added SRT adaptive Bitrate support. With bitrate control of live streaming it can spontaneously fluctuate to achieve the optimum bit rate according to the network conditions.



In case SRT protocol is available (*1) and SRT is selected at Type setting of Live streaming server.

Added "Adaptive Bit Rate" On, Off(Default Setting)

Network > Live Streaming >> Streaming Server >> (select Server *) >> Streaming Server Set

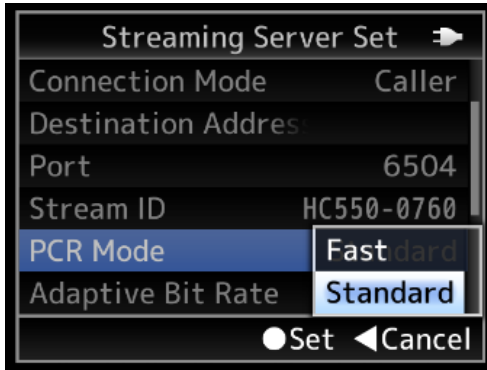


Schematic diagram of adaptive bit rate

(*1)GY-HC550 : Required SRT protocol update to enable SRT protocol. Default setting is Zixi protocol. SRT protocol and Zixi protocol are alternative.

2. Added SRT PCR fast mode

Added SRT PCR(Program Clock Reference) Fast mode, Lower Latency mode of live streaming.
(PCR fast mode is also available for MPEG2-TS/UDP, MPEG2-TS/RTP, Zixi)



In case SRT protocol is available (*1) and SRT is selected at Type setting of Live streaming server.
Added "PCR Mode " Fast , Standard (Default Setting)
Network >> Live Streaming >> Streaming Server >> (select Server *) >> Streaming Server Set .

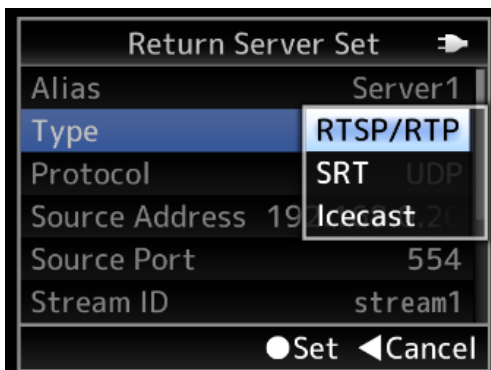
(*1) GY-HC550 : Required SRT protocol update to enable SRT protocol. Default setting is Zixi protocol.
SRT protocol and Zixi protocol are alternative.

Memo

At PCR fast mode It tend to send big data in shorter time, and it will cause to increase network load momentarily. Stable network environment is recommended not to occur packet loss.

3. Added SRT Return over IP

Added SRT for communication protocol of Return over IP



In case SRT protocol is available (*1) and SRT is selected at Type setting of Live streaming server.

Network > Return over IP > Return Server > (select Return Server *) > Type
Added "SRT" RTSP/RTP(Default setting) , SRT , Icecast

Port No.(Default value) of SRT Return over IP is 6510.

4. Added Cropping Position select at 9:16 ,1:1 streaming resolution for SNS

At Cropping position of 9:16 (Vertical), 1:1 (Square) resolution live streaming for SNS,
One position can be selected out of five positions

In case RTMP or RTMPS (9:16,1:1 Resolution are available) is selected at Type setting of Live streaming server.

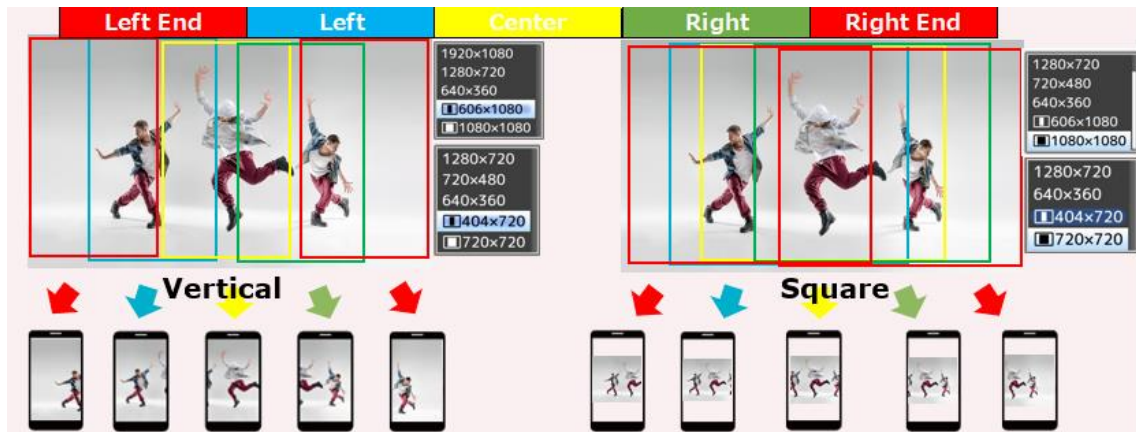
Network >> Livestreaming
Added "Cropping Position"
And 5 selectable positions

- " Left End"
- " Left"
- " Center"
- " Right"
- " Right End"



9:16 (606x1080 or 404x720)

1:1 (1080x1080 or 720x720)

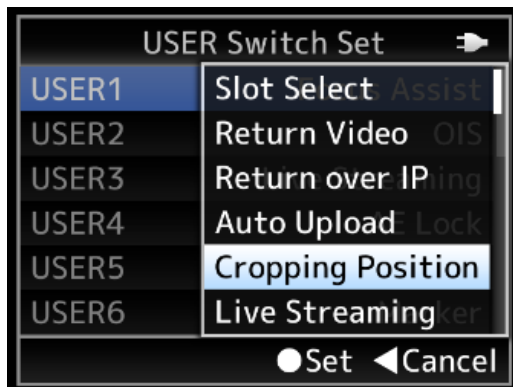


Notes :Added some color for explanation, but the actual guideline is white color.

“ Cropping Position “ is assignable to User Switch.

Camera Function >> USER Switch Set >> USER1-USER11 >>

Added “ Cropping Position “ for selectable items



Every time the button is pushed cropping position is changed in order.

⇒ Center => Right => Right End => Left end => Left => Center =>

Cropping position is memorized in the camera even when powered Off, and it will be recalled at next use.

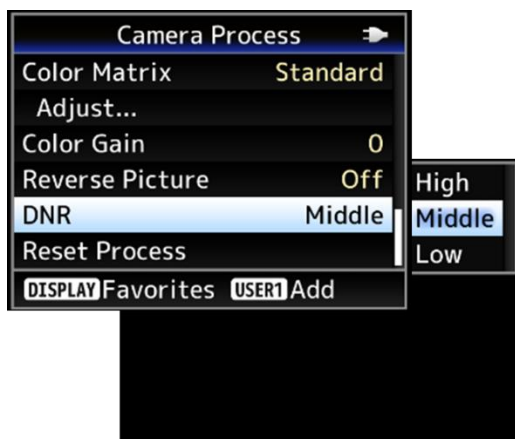
5. Revised DNR setting for improving Image quality.

Revised DNR Setting mode to improve image quality in low light.

Camera Function >> DNR

Revised setting Value

	V2.2 (New)	V1.40-V2.02
1	High	—
2	Middle	Normal
3	Low	Low
		Default Set



High: New mode S/N ratio priority than Middle

Middle: Name Normal => Middle

Low: Improved image quality, S/N ratio and depiction under low light condition.

6. Added Overlay Score On/Off SW (USER Switch)

(only GY-HC500SPCU)

Score Overlay On/Off SW is assignable to USER Switch

Camera Function >> USER Switch Set >> USER1-USER11 >>

Added " Score Overlay " for selectable items

Every time the button is pushed Score Overlay is changed ON/OFF.

(Default setting is ON)

