

FUJITSU Network Real-time Video Transmission Gear IP-HE950

IP-HE950 is a video transmission equipment adopted highly efficient video encoding technology "H.265/HEVC". H.265/HEVC realizes 2 times compression ratio than H.264/AVC. 1U half rack size small chassis with high performance LSI will realize real-time 4K contribution.



Features

■ 1U half size chassis

1U half rack size chassis with front panel and keys will realize PC less operation.

■ SD~4K Video

SD~HD transmission as normal function and 4K transmission as optional function will be supported. User can install as HD model first, then can upgrade to 4K later based on the 4K environmental improvement. This will realize user's efficient investment. Also, video format auto sensing function will adjust compression video format automatically.

■ Robust Network Error Correction

Fujitsu proprietary FEC and ARQ combination proven by Fujitsu IP series and standardized SMPTE-2022-1 FEC will provide robust network error correction. In addition, 2 LAN port for IP network redundancy will provide robust network error tolerance.

■ For contents transmission

Support 4:2:2 format, 8ch audio, ancillary data transmission for contents transmission.

■ Variable I/O Interface

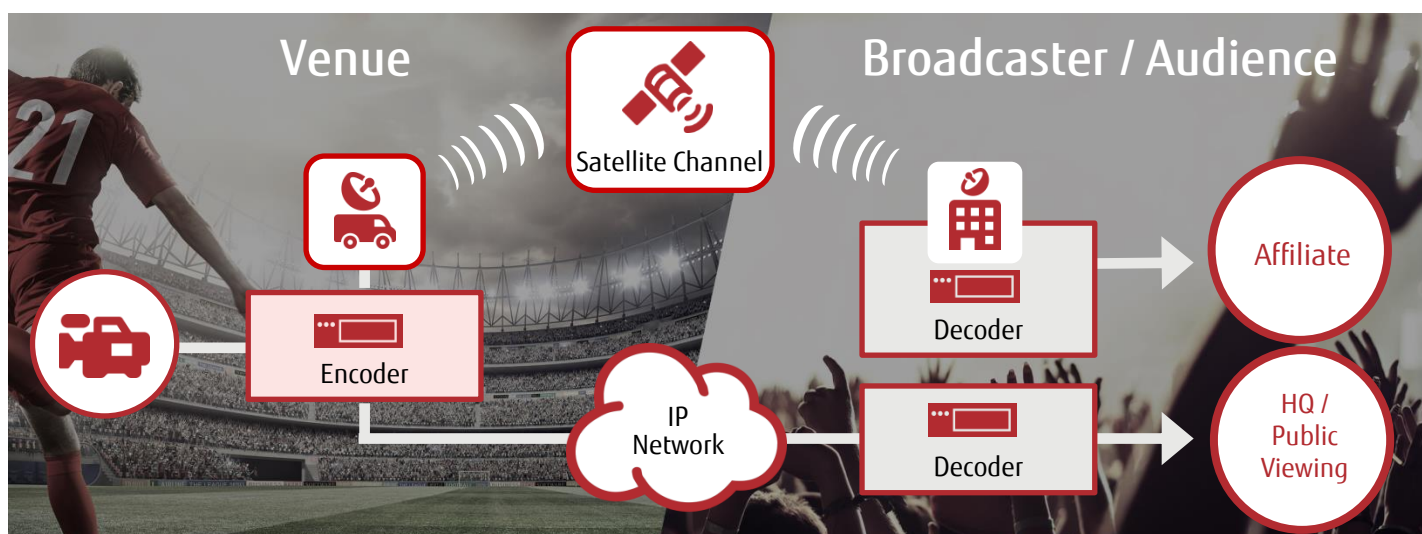
BNC I/O supports 12G/3G/HD/SD-SDI video signals. In addition, support SFP for other new interface such as HDMI and SDI over IP.

■ Video Archive, Video File Transmission

Support recording compressed video and audio into local storage and pickup them in arbitrary timing. Offline recording and transmitting will be also possible.

■ Dual Encode

Support transmitting main video and proxy video simultaneously for remote video switching application.



Product Lineup

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| Main Unit
IP-HE950E (Encoder)
IP-HE950D (Decoder) | Hardware Option
Quad 3G-SDI Input
Quad 3G-SDI Output
HDMI Input, HDMI Output
SDI Output
SDI over IP | Software Option
4K
Contribution-plus (422/ANC etc.)
BISS scramble
Dolby Digital |
|--|---|--|

Specifications

Note: These options are tentative and are subject to change without notice.

Product	IP-HE950E (Encoder)	IP-HE950D (Decoder)
Video coding	H.265/HEVC □ Profile : Main422 10*, Main 10, Main □ Level : 5.1*, 4.1, 4.0, 3.0 □ Resolution (Frequency) : 2160p x 4096/3840 (29.97/50/59.94Hz)*, 1080p x 1920/1440/960 (50/59.94Hz), 1080i x 1920/1440/960 (50/59.94Hz), 720p x 1280/960/640 (50/59.94Hz), 480i x 720/352 (59.94Hz), 576i x 720/352 (50Hz)	
	H.264/MPEG-4 AVC □ Profile : High422*, High, Main □ Level : 4.2, 4.0, 3.0 □ Resolution (Frequency) : 1080p x 1920/1440/960 (50/59.94Hz), 1080i x 1920/1440/960 (50/59.94Hz), 720p x 1280/960/640 (50/59.94Hz), 480i x 720/352 (59.94Hz), 576i x 720/352 (50Hz)	
	Secondary encoder (IP output)	MPEG-2
	H.264/MPEG-4 AVC □ Profile : High, Main □ Level : 4.1 □ Resolution (Frequency) : 1080i x 1920/1440 (50/59.94Hz)	□ Profile : High □ Level : High, Main □ Resolution (Frequency) : 1080i x 1920 (50/59.94Hz), 720p x 1280 (50/59.94Hz), 480i x 720 (59.94Hz), 576i x 720 (50Hz)
Audio coding	MPEG-1 Layer2, MPEG-2 AAC LC, MPEG-4 AAC LC, MPEG-4 HE-AAC V2, MPEG-4 AAC-ELD, Dolby Digital*, SMPTE 302M 2ch, 8ch*, 5.1ch*	
Ancillary data	SMPTE 2038*, SMPTE 334*, SMPTE RD 11*, CEA-608/708*, ARIB STD-B40*	
Streaming protocol	RTP, UDP, Unicast, Multicast(IGMPv3/IPv4, MLDv2/IPv6)	
Error correction(IP)	FEC, ARQ, SMPTE 2022-1	
Encryption	BISS-1 / E*	
Audio & Video I/F	1 x 12G*/3G/HD/SD-SDI input AES-EBU 2stereo input*, Analog (Balanced) stereo input* 2 x SFP I/F(Quad 3G/HD-SDI*, HDMI*, SDI over IP*, SDI output(Active thru)*)	1 x 12G*/3G/HD/SD-SDI output AES-EBU 2stereo output*, Analog (Balanced) stereo output* 1 x Reference input, 1 x Reference output 2 x SFP I/F(Quad 3G/HD-SDI*, HDMI*, SDI over IP*, SDI output*)
Streaming I/F	2 x 10BASE-T/100BASE-TX/1000BASE-T(Stream & Control) 2 x DVB-ASI output	2 x 10BASE-T/100BASE-TX/1000BASE-T(Stream & Control) 1 x DVB-ASI input
AUX data	1 x RS-232C/RS-422	
Dimensions / Weight	210(W) x 300(D) x 43(H) mm / Approx. 2.5kg	
Power	AC 100 ~ 240V	
Temp / Humidity	-10 ~ 55° C (Except under 0° C start) / 20 ~ 90RH (No condensation)	

* : Optional function 3G-SDI supports Level-A
 Note : Functions in blue letters will be enhanced in stages.



● The specifications are subject to change without notice.

Contact Information

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Inquiry: <https://www.fujitsu.com/global/products/computing/peripheral/video/contact/video-contact-form.html>