

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 realizes 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

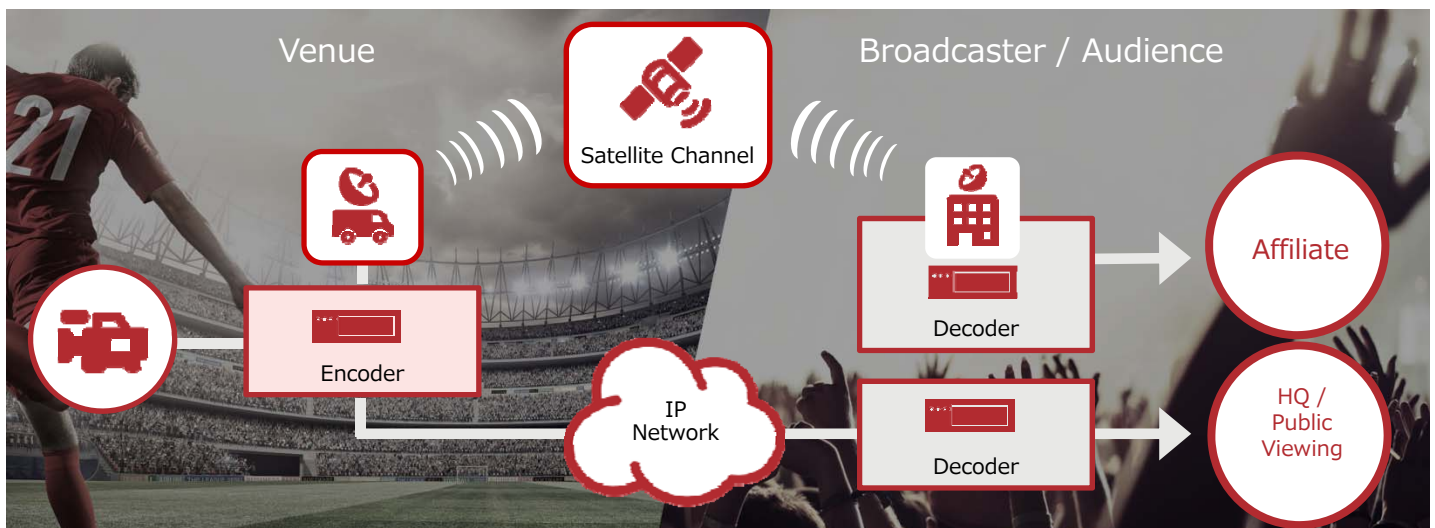
BNC I/O supports 12G/3G/HD/SD-SDI video signals. In addition, support SFP for other new interface such as HDMI and SDI over IP.

■ Simultaneous transmission over IP & DVB-ASI

Support plural unicast and multicast transmission. Simultaneous transmission over IP and DVB-ASI with BISS is also possible.

■ Dual Encode

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



Product Lineup

Main Unit

IP-HE950E (Encoder)
IP-HE950D (Decoder)

Hardware Option

Quad 3G-SDI Input
Quad 3G-SDI Output
SDI Output
HDMI Input, HDMI Output
Video 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 <input type="checkbox"/> Profile : Main422 10*, Main 10, Main <input type="checkbox"/> Level : 5.1*, 4.1, 4.0, 3.0 <input type="checkbox"/> 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 <input type="checkbox"/> Profile : High422*, High, Main <input type="checkbox"/> Level : 4.2, 4.0, 3.0 <input type="checkbox"/> 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 <input type="checkbox"/> Profile : High, Main <input type="checkbox"/> Level : 4.1 <input type="checkbox"/> Resolution (Frequency) : 1080i x 1920/1440 (50/59.94Hz)	<input type="checkbox"/> Profile : High <input type="checkbox"/> Level : High, Main <input type="checkbox"/> 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 Analog (Balanced) stereo input*, AES-EBU 2stereo input*, 2 x SFP I/F(Quad 3G/HD-SDI*, SDI output(Active thru)*, HDMI*, Video over IP*)	1 x 12G*/3G/HD/SD-SDI output Analog (Balanced) stereo output*, AES-EBU 2stereo output*, 1 x Reference input, 1 x Reference output 2 x SFP I/F(Quad 3G/HD-SDI*, SDI output*, HDMI*, Video over IP*)
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.

IP-HE950E (Encoder)



IP-HE950D (Decoder)



● The specifications are subject to change without notice.

Contact Information

FOR-A Corporation of America

Tel : +1-714-894-3311 Fax : +1-714-894-5399

FOR-A Corporation of America East Coast Office

Tel : +1-201-944-1120 Fax : +1-201-944-1132

FOR-A Corporation of America Miami Office

Tel : +1-305-931-1700 Fax : +1-305-264-7890

FOR-A Corporation of America Distribution & Service Center

Tel : +1-352-371-1505 Fax : +1-352-378-5320

FOR-A Europe S.r.l.

Tel : +39-039-879778 Fax : +39-039-878140

FOR-A UK Limited

Tel : +44 (0)20-3044-2935 Fax : +44(0)20-3044-2936

FOR-A Italia S.r.l.

Tel : +39 039-881-086/103 Fax : +39 039-878-140

FOR-A Middle East-Africa Office

Tel : +971 (0)4 551 5830 Fax : +971 4 887 6713

Agiv (India) Private Limited (FOR-A India)

Tel : +91 22 2673 3623 Fax : +91 22 2639 3415