

Fujitsu Real-time Video Transmission Gear IP-HE900

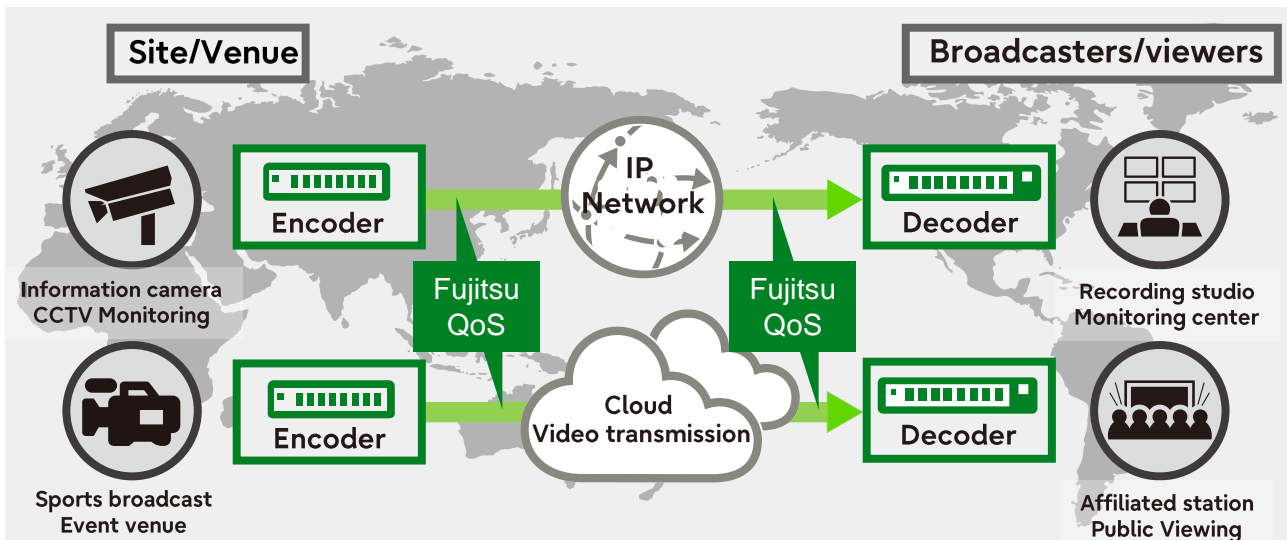


IP-HE900 is a compact real-time video compression and transmission gear in a 1U half-rack size. It has implemented convenient functions that can be used in a variety of scenes, such as information cameras and on-site broadcasts. The video coding methods are H.264 and H.265.



Features

- Robust network error correction**
 Fujitsu proprietary network error correction method "Fujitsu QoS (FEC/ARQ combination)" is a proven IP series feature that achieves stable video transmission over IP Networks. It also supports the industry standard SMPTE 2022-1.
- Scan convert function**
 The encoder provides a resolution down converter and the frame rate converter for optimizing the coding rate. The decoder can upconvert SD and output it as HD video signal.
- Compact chassis**
 The 1U half rack size compact and rugged chassis.
- Low latency**
 Provides a minimum latency of approximately 99ms for IP transmission (excluding network latency).
- Superimpose**
 Characters and timecode can be superimposed on the video and encoded.
- Dual encoding function**
 One video can be simultaneously streamed at two different resolutions and encoding rates.



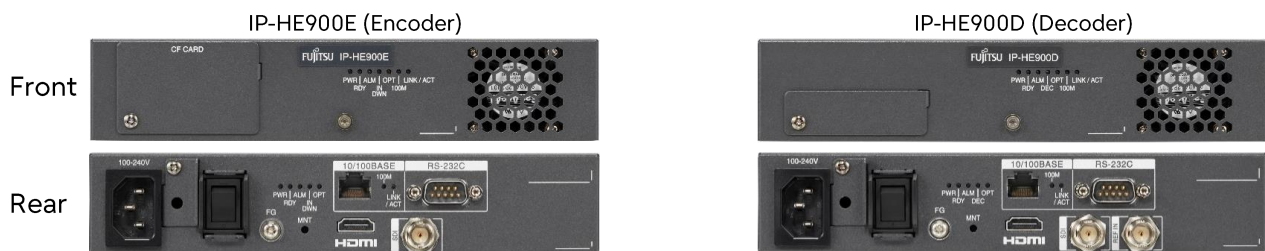
Fujitsu Real-time Video Transmission Gear IP-HE900

Specifications

| Items | | IP-HE900E (Encoder) | IP-HE900D (Decoder) |
|---------------------------------|-------------------|---|---|
| Video | Interface, Format | 1 x HD-SDI(SMPTE 292M)/SD-SDI(SMPTE 259M) input, 1 x HDMI input 1080i x 1920 (50/59.94/60Hz), 720p x 1280 (50/59.94Hz), 480i x 720 (59.94Hz), 576i x 720 (50Hz) | 1 x HD-SDI(SMPTE 292M)/SD-SDI(SMPTE 259M) output, 1 x HDMI output |
| | Converter | Down converter : HD to SD | Up converter : SD to HD |
| | Coding | ITU-T H.264/MPEG-4 AVC (ISO/IEC 14496-10) HP@L4, HP@L3, MP@L4, MP@L3 1080i x 1920/1440/960 (50/59.94/60Hz) 720p x 1280/960/640 (50/59.94Hz) 480i x 720/352 (59.94Hz), 576 x 720/352 (50Hz) 240i x 352 (59.94/29.97Hz), 288i x 352 (50/25Hz) | :500k ~ 27Mbps :500k ~ 27Mbps :150k ~ 10Mbps :25k ~ 1Mbps |
| | Reference | ITU-T H.265/HEVC (ISO/IEC 23008-2) Main (Option) 1080i x 1920/1440/960(59.94Hz) 480i x 720/352 (59.94Hz) | :500k ~ 27Mbps :150k ~ 10Mbps |
| Audio | Interface | 1 x SDI embedded(SMPTE 299M/272M) input, 1 x HDMI input | 1 x SDI embedded (SMPTE 299M/272M) output, 1 x HDMI output |
| | Coding | MPEG-1 Layer2 (ISO/IEC 11172-3) 4ch(2/0) MPEG-2 AAC (ISO/IEC 13818-7) 4ch(2/0) | :128,256,384kbps/Stereo :56 ^{(*)1} ,64,128,256,384kbps/Stereo |
| System format | | MPEG-2 TTS ^{(*)2} , MPEG-2 TS | |
| Transport | | RTP, UDP, SMPTE 2022-2 | |
| Error correction | | Fujitsu QoS (FEC and ARQ) ^{(*)2} , SMPTE 2022-1 (Pro-MPEG FEC) | |
| Network | IPv4 | PPPoE, DHCP, SNTP, SNMP v1/SNMP v2c, IGMP v3 | |
| | IPv6 | SNTP, SNMP v1/SNMP v2c, MLDv2 | |
| Control | | Web GUI, SNMP | |
| Additional functions | | Dual encoder, Superimpose | ---- |
| Network interface | | 1 x 10BASE-T/100BASE-TX | |
| Data (outside MUX.) | | RS-232C (Pass-thru) | |
| External Dimensions (W x D x H) | | 210 x 300 x 42 mm (w/o protrusions) | |
| Weight | | Approx. 2.3 kg | |
| Power Supply | | AC100 ~ 240 V | |
| Power Consumption | | 75VA (max.) | 64VA (max.) |
| Temperature | | -10 ~ 55 degrees C | |
| Humidity | | 20 ~ 90RH (No condensations) | |
| Compliance | | UL, CE, UKCA, FCC, VCCI, RoHS, KC | |

*1: Decoder only. *2: H.264 only. The specifications are subject to change without notice. For details, please contact us at the following URL.

Appearance of Main unit



Fujitsu Limited

Media Solutions Project, Solution & Service Department, Social Systems Business Unit

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