

IP-900

High Performance H.264 AVC Encoder

Fujitsu Advanced MPEG-4 AVC Technology

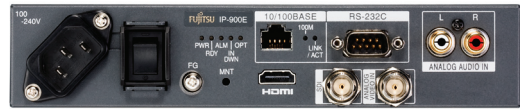
Compact HD encoder for real-time HD/SD content delivery – Ideal for Enterprise, Government and Broadcasters

- ▶ High Performance H.264 encoded content over IP networks at low data rates
- ▶ Dual encoders provide two independent HD streams or independent HD/SD streams for Simulcast
- ▶ Rugged, lightweight 1RU half-rack width design
- ▶ Low power for mobile and transportable applications
- ▶ Region-of-Interest Processing – Provides Best Picture Fidelity
- ▶ Less than 400ms encode-decode latency
- ▶ Data Stream Protection with Advanced FEC/ARQ
- ▶ Auto-sensing 10/100/1000 Ethernet Output



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THE POSSIBILITIES ARE INFINITE



IP-900

High Performance H.264 AVC Encoder

The Fujitsu IP-900 HD/SD encoder utilizes advanced H.264 encoding for bandwidth efficient real-time transmission of digital media content over IP networks.

The compact, rugged and lightweight IP-900 is ideal for fixed and mobile applications. The low encode-decode latency of less than 400ms makes it well suited for remote news capture and live-event applications.

Utilizing advanced H.264 HP@L4 image processing algorithms, the IP-900 produces exceptional video performance over IP contribution and distribution networks. High performance H.264 compression algorithms reduce the streaming bit rate by about 50% compared to MPEG-2 systems while preserving video fidelity. HD content can now be transported over existing private or public IP network as low as 1 Mbps.

Powerful error correction and retransmission (FEC/ARQ) technology enables the IP-900 to transmit a robust, error free transport stream across private and public IP networks.

| IP-900 Specifications | | |
|--------------------------|--|--|
| Video | Input | HD/SD-SDI HDMI CVBS (NTSC/PAL) |
| | Input Standards | 1080i (60/59.94/50 Hz) 720p (59.94/50Hz) 480i (59.94 Hz) 576i (50 Hz) |
| | Resolution / Bitrate | 1920x1080i / 4 – 27 Mbps 1440x1080i / 4 – 27 Mbps 960x1080i / 1 – 27 Mbps 1280x720p / 4 – 27 Mbps 960x720p / 4 – 27 Mbps 640x720p / 1 – 27 Mbps 720x480i / 1 – 10 Mbps 720x576i / 1 – 10 Mbps 352x480i / 0.5 – 10 Mbps 352x576i / 0.5 – 10 Mbps 352x240i / 50 – 512 kbps 352x288i / 50 – 512 kbps 176x122i / 25 – 50 kbps 176x144i / 25 – 50 kbps |
| | Color Format | 4:2:0 |
| | Profile | HD – HP@L4 & MP@L4 SD – HP@L3, MP@L3 & MP@L1.3 |
| | GOP | 12 ~ 60 Frames (IBBP) 12 ~ 60 Frames (IPPP) 30 ~ 144 Frames (PPPP) |
| | Latency modes | Standard IP – 1.3 Sec Low IP – .4 Sec |
| Audio | Input | 1 Pair SDI embedded 1 Pair HDMI 1 Pair Analog Stereo (unbalanced) |
| | Compression | MPEG1 Layer 2 MPEG2-AAC |
| | Sample rate | 48kHz, 16 bit |
| Transport Stream | Format | MPEG2 TTS, MPEG-2 TS |
| | Data rate | ~ 30 Mbps with 1 kbps increments |
| Network Interface | 10BASE-T / 100BASE-T | |
| Forward Error Correction | Fujitsu FEC and ARQ Pro-MPEG FEC CoP3 | |
| Protocols | IPv4 & IPv6 UDP, RTP, Multicast and Unicast | |
| Monitoring & Control | Web GUI / SNMP | |
| Size | 1RU x 8.3"W x 11.8"D | |
| Weight | 5.1 lb (2.3kg) | |
| Power Supply | 100 – 240 VAC | |
| Power Consumption | Max 30W | |
| Operating Temperature | -10 to 55 C | |
| Certifications | UL, CE, FCC, RoHS | |

For more information, call us at 877-766-7545 (toll free in the US) or visit our website at: fujitsufrontechna.com

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