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IP-900

Delivers Real-time HD/SD Content at Low Data Rate

Fujitsu Advanced MPEG-4 AVC Technology Affords:

▶ Compact Broadcast-quality H.264 HP@L4 HD Including HP@L3 SD

▶ Real-time HD/SD Content Delivery over IP Networks at Very Low Data Rate

▶ Low Encode-Decode Latency Mode as Low as 400 ms

▶ Simulcast HD/SD 4:2:0 Content in Dual Channels

▶ Data Stream Protection – Advanced FEC/ARQ

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IP-900

Delivers Real-time HD/SD Content at Low Data Rate

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 / 0.5 – 27 Mbps 1280x720p / 4 – 27 Mbps 960x720p / 4 – 27 Mbps 640x720p / 0.5 – 27 Mbps 720x480i / 1 – 10 Mbps 720x576i / 1 – 10 Mbps 352x480i / 0.3 – 10 Mbps 352x576i / 0.3 – 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) 14 ~ 56 Frames (IBP) 12 ~ 60 Frames (IPPP) 30 ~ 144 Frames (PPPP)
	Lateny 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

*At Encoder
**At Decoder
***Check Availability

Printed in the U.S.A.   DSIP900_0910

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