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





shaping tomorrow with you



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.

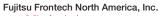
Powerful error correction and retransmission (FEC/ARQ) technology enables the IP-900 to transmit a robust, error free transport stream across private and public IP networks.

		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)
		1920x1080i / 4 – 27 Mbps
	Resolution / Bitrate	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 IP4 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

For more information, call us at 877-766-7545 or visit us at: http://us.fujitsu.com/video



www.fujitsufrontechna.com

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