

IP-920 High Performance H.264 AVC Encoder

Fujitsu Advanced MPEG-4 AVC Technology

Compact AVC 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 consumption 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 ethernet output



IP-920

High Performance H.264 AVC Encoder

The Fujitsu IP-920 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-920 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-920 provides

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-920 to transmit a robust, error free transport stream across private and public IP networks.

IP-920 Specifications

Video		Audio		Configuration and Control	
Input	SDI (HD / SD) HDMI (HD / SD) CVBS (NTSC / PAL)	Input	2 Pair SDI embedded 1 Pair HDMI 1 Pair Analog Stereo (Balanced. Connector conversion cable is attached)	SNMP v2c Web GUI	
Input Format	1080i (60 / 50 / 59.94 Hz) 720p (59.94 / 50 Hz) 480i (59.94 Hz) 576i (50 Hz)	Coding	MPEG-1 Layer 2 MPEG-2 AAC	Size	1RU x 8.3"W x 11.8"D
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 / 0.15 - 10 Mbps 352x576i / 0.15 - 10 Mbps 352x240i / 50 - 512 kbps 352x288i / 50 - 512 kbps 176x122i / 25 - 50 kbps 176x144i / 25 - 50 kbps	Quantization Format	48kHz, 16 bit	Weight	5.1 lb (2.3kg)
Color Format	4:2:0 (SMPTE Draft RP2050-1 / EG2050-2)	Transport Stream Output	MPEG-2 TS MPEG-2 TTS	Power Supply	+12 - 24 VDC
Profile	HD SD HP@L4; MP@L4 HP@L3; MP@L3; MP@L1.3	Multiplexing	~ 30 Mbps with 1 kbps increments	Power Consumption	42.3W or less
GOP	12 ~ 60 Frames (IBBP) 12 ~ 56 Frames (IBP) 12 ~ 60 Frames (IPPP) 30 ~ 144 Frames (PPPP)	Network Interface	10BASE-T / 100BASE-TX	Operating Temperature	-10 to 55 C
Latency modes	Standard IP - 1.3 Sec Low IP - 0.4 Sec	Error Correction	Fujitsu FEC and ARQ Pro-MPEG FEC CoP3	Certifications	UL, CE, FCC, RoHS
		Streaming Protocols	UDP, RTP, Multicast and Unicast TOS bit setting		

For more information, call us at **888-785-7393**



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