

IP-9610 "Next Generation" digital media encoder

The latest Fujitsu media solution - IP-9610 digital media encoder

enables superior performance and operational benefits in 10 Bit 4:2:2,
1080p and 3-D content contribution and distribution

- ▶ Flexible modular architecture
- ▶ Scalable to meet every demand
- ▶ 10Bit 4:2:2 compression
- ▶ Advanced region of interest video processing



IP-9610

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The new Fujitsu IP-9610 next-generation encoder is a scalable and highly flexible digital media processor and networking platform. It is integrated with the high-performance Fujitsu application-specific integrated circuit (ASIC) that is optimized to meet the growing demand in 10 bit 4:2:2 encoding for advanced H.264 (AVC) supporting all formats, including 1080p and "stereoscopic" 3D content.

The Fujitsu IP-9610 offers a flexible modular architecture, 10 Bit 4:2:2 compression and advanced region of interest video processing. This solution also includes the unique Fujitsu multi-view technology that is scalable to meet every demand. Fujitsu media solutions are known for high reliability, ease of use, low latency and high picture fidelity while reducing the costs associated High Definition video transport, essential for newsgathering and other applications.

The introduction of the next-generation IP-9600 series platform provides organizations with the best overall value in performance, efficiency, quality, reliability, service and operational functionality.

The ASIC technology offered in the IP-9600 series encoders enables users to customize their video content acquisition, processing and distribution applications to meet their specific cost and performance requirements. Fujitsu digital media solutions offer high performance, reliability and a short return on investment for MPEG-4 AVC encoding technologies. The integration of an advanced ASIC core further demonstrates Fujitsu's ongoing commitment to offering superior technology with low latency and the highest-possible video and audio fidelity at price points that meet various budget requirements.

IP-9610 Specifications

Video		Multiplexing		Configuration and Control	
Input	2 x SDI (3G / HD / SD)	MPEG-2 TS		SNMP v2c	
Output	4 x SDI (3G / HD / SD)	MPEG-2 TTS		Front Panel Control	
Input Format	1080p, 1080i, 720p 480i, 576i	Ancillary Data Transmission		WEB GUI	
Color Format	4:2:2 4:2:0 (SMPTE Draft RP2050-1 / EG2050-2)	Private PES (SMPTE RDD 11-2007)		Voice Intercom	
Profile	HD SD	DID/SDID filtering		Full Duplex VoIP; G.711	
		ATSC Annex F (Closed Caption)		8 kHz Sampling Rate at 64 kbps	
Profile	HD SD	Auxiliary Data		Size	
		RS-232 C / RS-422 (pass-thru)		1RU x 16.7"W x 19.7"D	
GOP	Changeable GOP - Scene Change Detection IBBP, IBP, IPPP and PPPP	Network Interface		Weight	
Latency modes	Standard Mode Low Latency Mode	LAN	2 x 10BASE-T / 100BASE-TX / 1000BASE-T MDI / MDI-X AUTO Sensing IPv4 / IPv6	Approx. 15.5lb (7kg)	
Audio		DVB-ASI	2 x Outputs 1 x Inputs	Power Supply	
Input / Output	SDI Embedded	Encryption		100 - 240 VAC	
Coding	MPEG-1 Layer2 MPEG-2 AAC-LC (option) MPEG-4 AAC-LC (option) MPEG-4 HE-AACv1 (option) MPEG-4 HE-AACv2 (option) Pass-thru (SMPTE302M) Pass-thru (AC-3 / ATSC) Pass-thru (AC-3 / DVB)	BISS Mode 1/E (option)		Power Consumption	
Quantization Format	Sampling Rate: 48 kHz Quantization: 16 / 20 bit	Error Correction		TBD	
		Pro-MPEG COP3 Fujitsu FEC and ARQ		Operating Temperature	
		Streaming		0° to 50° C	
		UDP, RTP, Multicast and Unicast TOS bit setting		Certifications	
				UL, CE, FCC, RoHS	

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