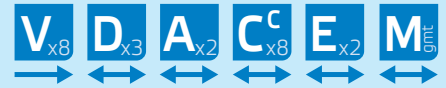


Eight channel video decoder

MPX-D8 is a high performance, stand-alone, temperature hardened network video processing product decoding real time video in mission critical applications for customers in Transportation, City Center Monitoring, and Corporate Security



MPEG-4 / MJPEG / MPEG-2

Teleste's MPX-D8 is a versatile, temperature hardened video processing product that has eight video outputs, 3-port terminal server, two bi-directional audio and 2 Fast Ethernet interfaces. The unit can optionally be harnessed with 8 bi-directional contact closure channels for alarm and event handling.

The MPX-D8 supports decoding of industry standard video streams, MPEG-4, MJPEG and MPEG-2. This unique feature makes it an optimum choice for CCTV service providers migrating from MPEG-2 to more flexible MPEG-4 streaming. Regardless of the used video compression, the decoder unit can output up to eight full PAL D1/NTSC video signals to analog CRT or LCD monitors. This provides for the

best in breed video decoding in both performance and form factor.

The three built-in EIA RS data channels provide multi-vendor PTZ camera control through Ethernet network either from keyboard controller or from video management software. Beside the standard Ethernet copper interface the support for SFP plug-in optics makes MPX-D8 suitable for deployment in a wide range of optical networks.

The solid state MPX-D8 is a cool runner having industry leading figures in terms of power consumption per video channel. Low cost of ownership is further emphasized by upgradeable firmware enabling easy implementation of new functionality

on existing hardware. The unit can be managed through a user friendly WebUI. The virtual matrix functionality can be achieved with VMX Video Management System.

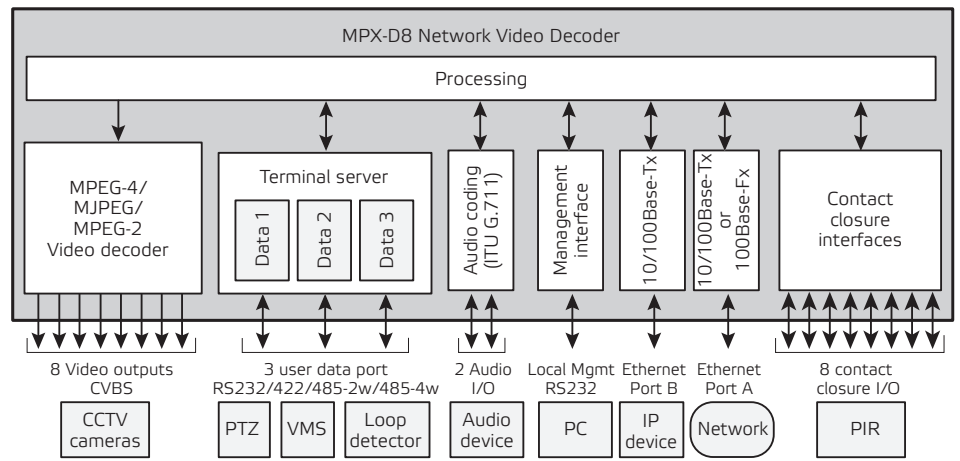
With unparalleled analog video performance and mission-critical application optimized buffering, EASI MPX-D8 is the industry leader in video decoding for surveillance applications. It gives you the touch and feel of traditional analogue systems while providing the flexibility of today's Ethernet networks.

The MPX platform offers all the components needed in networked digital video systems for high performance video security system.

Features

- DVD quality video
- ISO/IEC compliant MPEG-4, MJPEG and MPEG-2 video support
- Auto-detection of incoming video stream
- Low latency
- Bi-directional serial data, audio and contact closure
- SFP optics support
- Unicast and multicast support
- SAP support
- Feasible for temperature hardened operation
- Low power consumption
- Password protected user access
- User friendly WebUI

Block diagram



Technical specifications *(Typical values unless otherwise stated, * = define when ordering, ** = ordered separately, *** = from v.4.3.x onwards)*

Video			Ethernet Interface		
Number of outputs	8 CVBS	PAL/NTSC	Number of ports	2	port A & B
Nominal level	1.0 Vpp	75 ohms	Port A standard *	10/100Base-Tx/100Base-Fx	SFP optics support
Decoding	ISO/IEC14496-2	MPEG-4@SP L5	Port B standard	10/100Base-Tx	fixed
	ISO/IEC13818-2	MJPEG ***	Connector	RJ-45 female	10/100Base-Tx
	ISO/IEC 13818	MPEG-2 MP@ML	Ethernet Protocols		
Resolution	QCIF, CIF, 2CIF, 4CIF, ½D1, D1	MPEG-4, MPEG-2	Video/Audio/Data	RTP, UDP, TCP, IP, SAP	
	QCIF, CIF, 2CIF, 4CIF	MJPEG ***	Management	SNMPv2, HTTP, DHCP, SSH, SSL, Telnet	
Frame rate	1...25 fps PAL,	MPEG-4, MJPEG ***	Generic	ICMP, IGMPv3, ARP, NTP, FTP	
	1...30 fps NTSC		SFP Optics *		
	25 fps PAL, 30 fps NTSC		MMF 1310 nm	2 km	2 fibres
Input bit rate	up to 8 Mbps	MPEG-4	SMF 1310 nm	30 / 60 km	2 fibres
	up to 8 Mbps	MJPEG ***	SMF 1550 nm	20 / 100 / 120 km	2 fibres
	up to 10 Mbps	MPEG-2	CWDM (ITU G.694.2)	100 km	2 fibres
Transport	RTP/UDP/IP	MPEG-4, MJPEG ***	BIDI SMF 1310/1550 nm	25 / 60 km	1 fibre
	multicast and unicast		Connector	LC	100Base-Fx
	RTP/UDP		Management		
Latency	TS/UDP/IP, ES/UDP/IP,	MPEG-4	WebUI	local via Ethernet port, remote via network	
	ES/RTP/UDP/IP	MJPEG ***	SNMP	remote via network	
Connectors	BNC female	encoding - decoding	CLI	local via management port, remote via telnet	
Audio			Software update	local or remote	
Number of channels	2 bi-directional	unbalanced	Status indicators	front panel leds	
Nominal level (RMS)	0.775 V	0 dBm	General		
Impedance	> 10k ohm	input	Supply voltage	10.5...25 V DC	
Coding	< 50 ohm	output	Power consumption	16 W	
	ITU G.711	u-law	PSU connector	4-pin removable screw terminal	
Sampling rate	8 ***/32 kHz	per channel	Dimensions (H x W x D)	1U x 19" x 236 mm (1U x 19" x 9.3")	
Data rate	64 ***/256 kbps		Weight	3.5 kg (7.7 lb)	
Transport	RTP/UDP/IP multicast and unicast	selectable	Housing	Stand-alone, rack-mount	
Connectors	RJ-45 female		MTBF	> 110.000 h	HRD5
Data			Operating temperature	-34...+74 °C (-29...+165 °F) temperature hardened	
Number of channels	3	full duplex	Storage temperature	-40...+80 °C (-40...+176 °F)	
Standard	EIA RS232/422/485	selectable	EMC compatibility	EN61000-6-3, EN50121-4:2006, EN50130-4, CE, FCC	
Bit rate	1.2...115.2 kbps	standard speeds	Environmental	IEC60068-2-1:1990 + A1:1993 + A2:1994	
Format	asynchronous	standard framings	IEC60068-2-2:1974 + A1:1993 + A2:1995		
Transport	TCP/IP unicast or UDP/IP multicast	selectable	Accessories **		
Connectors	RJ-45 female		Management cable	CIC504	D9, 2.0 m
Contact Closure *			Audio cable	CIC401	4 x RCA male, 3.0 m
Number of channels	8	bi-directional	Data cable	CIC603	open wires, 2.5 m
Input *	dry contact	short circuit	Power Supply	CPS241/242/243	12 VDC 3.3 A
	opto-isolated	5V DC / 20mA (max.)			
Output	24V / 1A (relay)	max.			
Control delay	< 20 ms				
Connectors	8-pin removable screw terminal				