

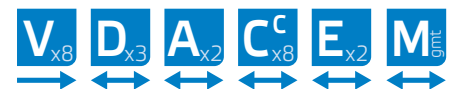
Eight channel video decoder

With RS terminal, audio and contact closures

EASI 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-2 / MPEG-4



EASI 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, both MPEG-2 and MPEG-4. 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 MPEG standard, 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 MoRIS Video Management System.

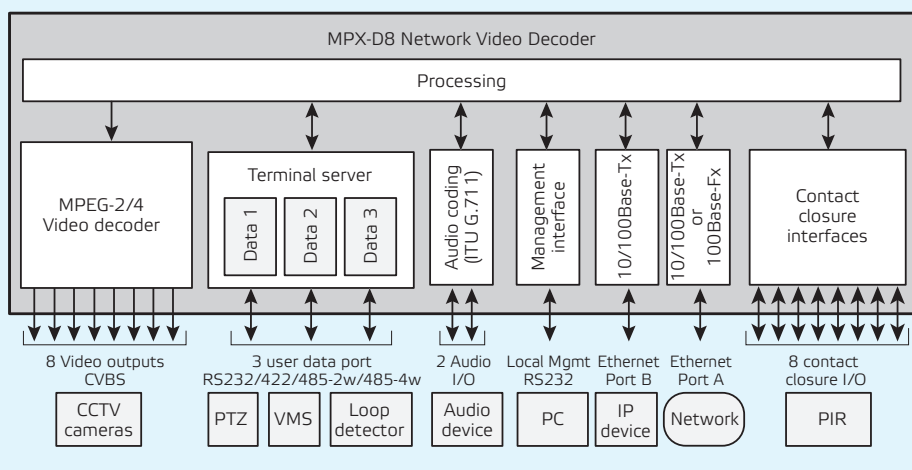
With unparalleled analog video performance and mission-critical application optimized buffering, EASI MPX-D8 is the industry leader in video decoding for surveillance applications. It gives you the touch and feel of traditional analogue systems while providing the flexibility of today's Ethernet networks.

The EASI MP-X platform offers all the components needed in networked digital video systems for high performance video security system.

FEATURES

- >> DVD quality video
- >> MPEG-2 and MPEG-4 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

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/IEC 13818	MPEG-2 MP@ML	Port B standard	10/100Base-Tx	fixed
	ISO/IEC 14496-2	MPEG-4@SP L5	Connector	RJ-45 female	10/100Base-Tx
Resolution	QCIF, CIF, 2CIF, 4CIF, D1		Ethernet Protocols		
Frame rate	25 fps PAL, 30 fps NTSC	MPEG-2	Video/Audio/Data Management Generic	RTP, UDP, TCP, IP, SAP SNMPv2, HTTP, DHCP, SSH, SSL, Telnet ICMP, IGMPv3, ARP, NTP, FTP	
	1...25 fps PAL, 1...30 fps NTSC	MPEG-4	SFP Optics *		
Input bit rate	up to 10 Mbps up to 8 Mbps	MPEG-2 MPEG-4	MMF 1310 nm	2 km	2 fibres
Transport	TS/UDP/IP, ES/UDP/IP, ES/RTP/UDP/IP RTP/UDP/IP multicast and unicast	MPEG-2 MPEG-4	SMF 1310 nm	30 / 60 km	2 fibres
Latency	< 150 ms	encoding - decoding	SMF 1550 nm	20 / 100 / 120 km	2 fibres
Connectors	BNC female		CWDM (ITU G.694.2)	100 km	2 fibres
Audio			BIDI SMF 1310/1550 nm	25 / 60 km	1 fibre
Number of channels	2 bi-directional	unbalanced	Connector	LC	100Base-Fx
Nominal level (RMS)	0.775 V	0 dBm	Management		
Impedance	> 10k ohm < 50 ohm	input output	WebUI	local via Ethernet port, remote via network	
Coding	ITU G.711	u-law	SNMP	remote via network	
Sampling rate	32 kHz		CLI	local via management port, remote via telnet	
Data rate	256 kbps	per channel	Software update	local or remote via telnet	
Transport	RTP/UDP/IP multicast and unicast		Status indicators	front panel leds	
Connectors	RJ-45 female		General		
Data			Supply voltage	10.5...18 V DC	
Number of channels	3	full duplex	Power consumption	16 W	
Standard	EIA RS232/422/485	selectable	PSU connector	4-pin removable screw terminal	
Bit rate	1.2...115.2 kbps	standard speeds	Dimensions (H x W x D)	1U ● 19" ● 236 mm (1U ● 19" ● 9.3")	
Format	asynchronous	standard framings	Weight	3.5 kg (7.7 lb)	
Transport	TCP/IP unicast or UDP/IP multicast	selectable	Housing	Stand-alone, rack-mount	
Connectors	RJ-45 female		MTBF	> 110.000 h	
Contact Closure			Operating temperature	-34...+74 °C (-29...+165 °F) temperature hardened	
Number of channels	8	bi-directional	Storage temperature	-40...+80 °C (-40...+176 °F)	
Input*	dry contact opto-isolated	short circuit 5V DC / 20mA (max.)	EMC compatibility	EN61000-6-3, EN50130-4, CE, FCC	
Output	24V / 1A (relay)	max.	Environmental	IEC60068-2-1:1990 + A1:1993 + A2:1994 IEC60068-2-2:1974 + A1:1993 + A2:1995	
Control delay	< 20 ms		* define when ordering		
Connectors	8-pin	removable screw terminal	<i>Typical values unless otherwise stated</i>		

MPX-D8 v4 13122007

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