

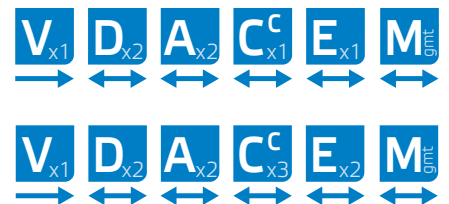
One channel video decoder

With RS terminal, audio and contact closures

EASI MPC-D1 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 MPC-D1 is a perfect choice for IP networks as well as for a wide range of optical networks allowing easy migration from legacy fibre modem based systems towards modern IP based CCTV networks.

The MPC-D1 is a versatile, temperature hardened video decoding product that has one video output, 2-port terminal server, two bi-directional audio, three bi-directional contact closure and two Fast Ethernet interfaces. Beside the standard Ethernet copper interface the unit is also available with SFP plug-in optics. The MPC-D1 supports

decoding of industry standard video streams, both MPEG-2 and MPEG-4. The decoder unit can output one, either MPEG-4 or MPEG-2, full D1 video signal to analog CRT or LCD monitor. This provides for the best in breed video decoding in both performance and form factor.

The two built-in EIA RS data channels provide multi-vendor PTZ camera control through Ethernet network.

The unit can be managed through a user friendly WebUI. The virtual matrix functionality can be achieved with MoRIS Video Management System.

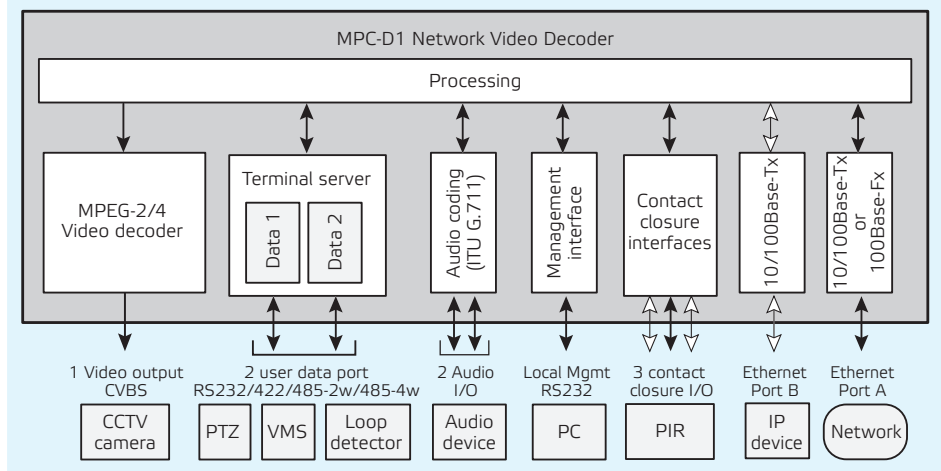
The solid state MPC-D1 is a cool runner having industry leading figures in terms of power consumption. Long-term investment protection is further emphasized by upgradeable firmware enabling easy introduction of new features on existing hardware.

With unparalleled analog video performance and delay optimized buffering, EASI MPC-D1 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.

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	1 CVBS	PAL/NTSC	Number of ports	1 / 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	input	WebUI	local via Ethernet port, remote via network	
	< 50 ohm	output	SNMP	remote via network	
Coding	ITU G.711	u-law	CLI	local via management port, remote via telnet	
Sampling rate	32 kHz		Software update	local or remote via telnet	
Data rate	256 kbps	per channel	Status indicators	front panel leds	
Transport	RTP/UDP/IP multicast and unicast		General		
Data			Supply voltage	10.5...18 V DC	
Number of channels	2	full duplex	Power consumption	4.6 W, 6.6 W **	
Standard	EIA RS232/422/485	selectable	PSU connector	2-pin removable screw terminal	
Bit rate	1.2...115.2 kbps	standard speeds	Dimensions (H x W x D)	60 ● 130 ● 130 mm (2.4 ● 5.1 ● 5.1") 80 ● 130 ● 130 mm (3.1 ● 5.1 ● 5.1") **	
Format	asynchronous	standard framings	Weight	1.0 kg (2.2 lb), 1.3 kg (2.9 lb) **	
Transport	TCP/IP unicast or UDP/IP multicast	selectable	Housing	Stand-alone, DIN-rail mount **	
Connectors	RJ-45 female		MTBF	> 190.000 h	
Contact Closure			Operating temperature	-34...+74 °C (-29...+165 °F) temperature hardened	
Number of channels	1 / 3**	bi-directional	Storage temperature	-40...+80 °C (-40...+176 °F)	
Input *	dry contact opto-isolated	short circuit	EMC compatibility	EN61000-6-3, EN50130-4, CE, FCC	
		5V DC / 20mA (max.)	Environmental	IEC60068-2-1:1990 + A1:1993 + A2:1994 IEC60068-2-2:1974 + A1:1993 + A2:1995	
Output	24V / 1A (relay)	max.	* define when ordering		
Control delay	< 20 ms		** optional		
Connectors	4-pin	removable screw terminal	<i>Typical values unless otherwise stated</i>		

MPC-D1 v1.12122007

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