

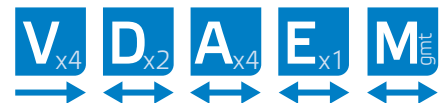
Four channel video decoder

With RS terminal and audio

EASI MPC-D4 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-D4 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-D4 is a versatile, temperature hardened video decoding product that has four video outputs, 2-port terminal server, four bi-directional audio and one Fast Ethernet interfaces. Beside the standard Ethernet copper interface the unit is also available with SFP plug-in optics. The MPC-D4 sup-

ports decoding of industry standard video streams, both MPEG-2 and MPEG-4. The decoder unit can output up to four, either MPEG-4 or MPEG-2, full D1 video signals to analog CRT or LCD monitors. 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.

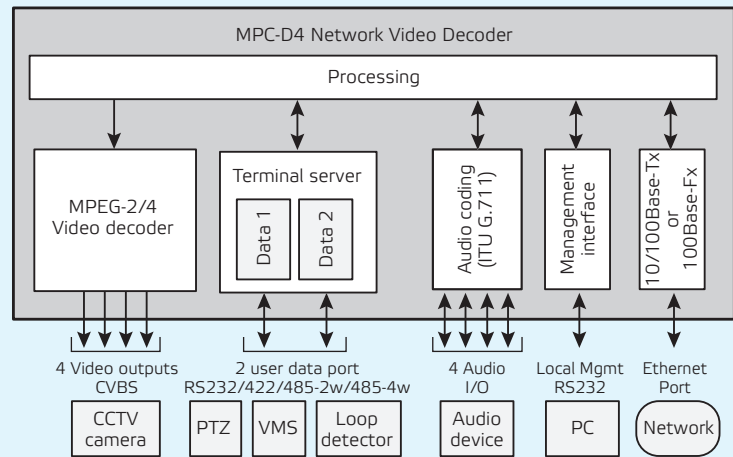
The solid state MPC-D4 is a cool runner having industry leading figures in terms of power consumption per video channel. Long-term investment protection is further emphasized by upgradeable firmware enabling easy introduction of new features on existing hardware.

With unparalleled analog video performance and delay optimized buffering, EASI MPC-D4 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 and audio
- >> 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	4 CVBS	PAL/NTSC	Number of ports	1	
Nominal level	1.0 Vpp	75 ohms	Port standard *	10/100Base-Tx/100Base-Fx SFP optics support	
Decoding	ISO/IEC 13818	MPEG-2 MP@ML	Connector	RJ-45 female 10/100Base-Tx	
	ISO/IEC14496-2	MPEG-4@SP L5	Ethernet Protocols		
Resolution	QCIF, CIF, 2CIF, 4CIF, D1		Video/Audio/Data	RTP, UDP, TCP, IP, SAP	
Frame rate	25 fps PAL,	MPEG-2	Management	SNMPv2, HTTP, DHCP, SSH, SSL, Telnet	
	30 fps NTSC		Generic	ICMP, IGMPv3, ARP, NTP, FTP	
Input bit rate	1...25 fps PAL,	MPEG-4	SFP Optics *		
	1...30 fps NTSC		MMF 1310 nm	2 km	2 fibres
Transport	up to 10 Mbps	MPEG-2	SMF 1310 nm	30 / 60 km	2 fibres
	up to 8 Mbps	MPEG-4	SMF 1550 nm	20 / 100 / 120 km	2 fibres
Latency	< 150 ms	encoding - decoding	CWDM (ITU G.694.2)	100 km	2 fibres
Connectors	BNC female		BIDI SMF 1310/1550 nm	25 / 60 km	1 fibre
Audio			Connector	LC	100Base-Fx
Number of channels	4 bi-directional	unbalanced	Management		
Nominal level (RMS)	0.775 V	0 dBm	WebUI	local via Ethernet port, remote via network	
Impedance	> 10k ohm	input	SNMP	remote via network	
	< 50 ohm	output	CLI	local via management port, remote via telnet	
Coding	ITU G.711	u-law	Software update	local or remote via telnet	
Sampling rate	32 kHz		Status indicators	front panel leds	
Data rate	256 kbps	per channel	General		
Transport	RTP/UDP/IP multicast and unicast		Supply voltage	10.5...18 V DC	
Connectors	RJ-45 female		Power consumption	6.6 W	
Data			PSU connector	2-pin removable screw terminal	
Number of channels	2	full duplex	Dimensions (H x W x D)	80 ● 130 ● 130 mm (3.1 ● 5.1 ● 5.1")	
Standard	EIA RS232/422/485	selectable	Weight	1.3 kg (2.9 lb)	
Bit rate	1.2...115.2 kbps	standard speeds	Housing	Stand-alone, DIN-rail mount **	
Format	asynchronous	standard framings	MTBF	> 150.000 h HRD5	
Transport	TCP/IP unicast or UDP/IP multicast	selectable	Operating temperature	-34...+74 °C (-29...+165 °F) temperature hardened	
Connectors	RJ-45 female		Storage temperature	-40...+80 °C (-40...+176 °F)	
			EMC compatibility	EN61000-6-3, EN50130-4, CE, FCC	
			Environmental	IEC60068-2-1:1990 + A1:1993 + A2:1994 IEC60068-2-2:1974 + A1:1993 + A2:1995	

* define when ordering

** optional

Typical values unless otherwise stated

MPC-D4 v1 12122007

TELESTE