

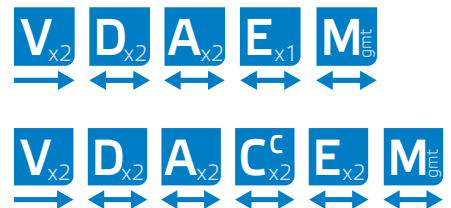
Two channel video decoder

With RS terminal, audio and contact closures

EASI MPC-D2 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-D2 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-D2 is a versatile, temperature hardened video decoding product that has two video outputs, 2-port terminal server, two bi-directional audio, two 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-D2 supports

decoding of industry standard video streams, both MPEG-2 and MPEG-4. The decoder unit can output up to two, 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.

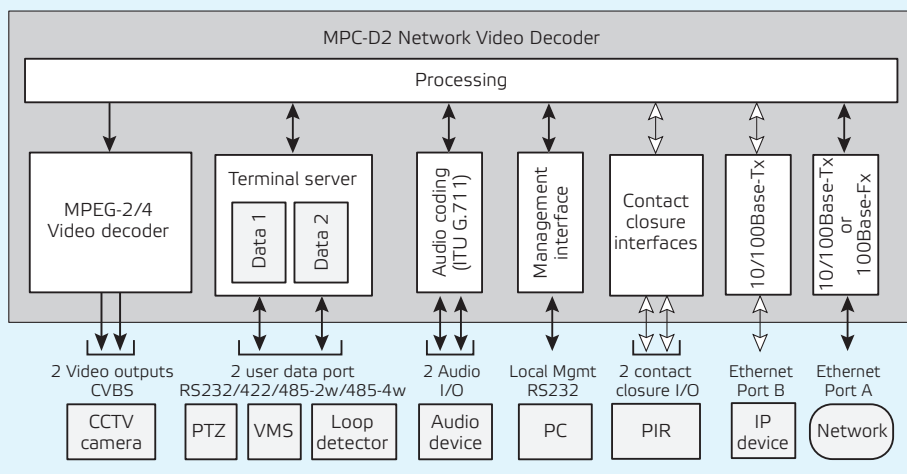
The solid state MPC-D2 is a cool runner having industry leading figures in terms of power consumption per video channel. Long-term investment protection is further emphasized by upgradeable firmware enabling easy introduction of new features on existing hardware.

With unparalleled analog video performance and delay optimized buffering, EASI MPC-D2 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 | 2 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, | MPEG-2 | Video/Audio/Data | RTP, UDP, TCP, IP, SAP | |
| | 30 fps NTSC | | Management | SNMPv2, HTTP, DHCP, SSH, SSL, Telnet | |
| Input bit rate | 1...25 fps PAL, | MPEG-4 | Generic | ICMP, IGMPv3, ARP, NTP, FTP | |
| | 1...30 fps NTSC | | SFP Optics * | | |
| Transport | up to 10 Mbps | MPEG-2 | MMF 1310 nm | 2 km | 2 fibres |
| | up to 8 Mbps | MPEG-4 | SMF 1310 nm | 30 / 60 km | 2 fibres |
| Latency | | encoding - decoding | SMF 1550 nm | 20 / 100 / 120 km | 2 fibres |
| | | | 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 | 2 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 | 4.6 W, 6.6 W ** | |
| Data | | | PSU connector | 2-pin removable screw terminal | |
| Number of channels | 2 | full duplex | Dimensions (H x W x D) | 60 ● 130 ● 130 mm (2.4 ● 5.1 ● 5.1") | |
| Standard | EIA RS232/422/485 | selectable | | 80 ● 130 ● 130 mm (3.1 ● 5.1 ● 5.1") ** | |
| Bit rate | 1.2...115.2 kbps | standard speeds | Weight | 1.0 kg (2.2 lb), 1.3 kg (2.9 lb) ** | |
| Format | asynchronous | standard framings | Housing | Stand-alone, DIN-rail mount ** | |
| Transport | TCP/IP unicast or UDP/IP multicast | selectable | MTBF | > 190.000 h | |
| Connectors | RJ-45 female | | Operating temperature | -34...+74 °C (-29...+165 °F) temperature hardened | |
| Contact Closure ** | | | Storage temperature | -40...+80 °C (-40...+176 °F) | |
| Number of channels | 2 | bi-directional | EMC compatibility | EN61000-6-3, EN50130-4, CE, FCC | |
| Input * | dry contact | short circuit | Environmental | IEC60068-2-1:1990 + A1:1993 + A2:1994 | |
| | opto-isolated | 5V DC / 20mA (max.) | | 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 | Typical values unless otherwise stated | | |

MPC-D2 v1.13122007

TELESTE