



polistreamM4000

M-Series Platform

Operational role

Supports M-Series modules to provide any combination of video and audio delay, SD & HD subtitling and/or logo insertion into compressed MPEG-2 streams

Features

Direct modification of MPEG-2 transport streams with suitable M-Series modules fitted to provide:

- Subtitle, text and logo insertion
- Subtitle data derived from incoming transport stream in DVB, Teletext or Imtext formats.
- Video and audio delays for +1 channels on timezone shifting

Main processor

2.4 GHz Intel® Dual Core 6600 processor or greater

System memory devices

1Gb RAM or greater
Internal 40Gb (min) SATA HDD
Optional 24Gb Flash Drive

Operating system

Microsoft Windows 2000 Professional® or later

Rear panel connectors

2 x RJ45 Gigabit/100 BT	Ethernet
2 x 9 way D type (male)	RS232 serial (Com 1 + 2)
2 x PS/2 type mini DIN	Mouse and Keyboard
1 x 15 way Hi-density D type	SVGA monitor
2 x USB connectors	USB 0 – 1
1 x 25 way D type (female)	Printer

Power fail signalling

1 x 9 way D type (female) connector

Pin	Function	Pin	Function
1	NC Contact 1	6	Common Contact 1
2	NO Contact 1	7	NC Contact 2
3	Common Contact 2	8	NO Contact 2
4	Not Used	9	+5V (50mA max)
5	Ground		

Power fail signalling by contact closure
(contact rating 2A@48V AC / DC)

Indicators

2 x Front panel status LEDs (power on – HDD activity)
2 x Rear panel Ethernet port status LEDs (activity – link)
2 x Rear panel ASI signal status LEDs

ASI input & output connectors (on PCI rear panel)

2 x ASI inputs on 75Ω panel mounting BNC
(Secondary input is optional)
2 x ASI outputs on 75Ω panel mounting BNC
(Single ASI output signal dualed across two connectors)

Control

All M4000 unit configuration and operation is done via the Ethernet connection and there are no user configurable switches, links or front panel controls (with the exception of a front panel mounted soft power switch)

M4000 control applications supplied as part of a Polistream system

Physical

Unit dimensions: 482 x 485 x 44.5 mm (W x D x H)
1RU standard 19in rack-mounting
Shipped dimensions: 850 x 670 x 270 mm (W x D x H)
Approx unit weight: 7.80 Kg
Approx shipped weight: 11 Kg

Mains input connector

Panel mounted 3 pin IEC

Mains input voltage range

100 to 240 VAC

Mains input line frequency

50 – 60 Hz

Power consumption @ 240V

Typically: 84 W
Max : 150 W

Environmental cooling

- Chassis mounted fans with front to back air flow
- Internal high volume fan
- 1 x PSU fan

Environmental conditions

0°C to 30°C
(at a relative humidity not exceeding 90% non-condensing)

Electro-magnetic compliance & Safety

EN55022 Class A (emissions)
EN50082-1 (immunity)
ENBS60950 (safety)

