



polistream G5000 HD SDI Graphics Inserter

Operational configuration

Direct in-line HD SDI 8 layer subtitle and graphics insertion. Configurable Key and Fill outputs also available.

Features

- 8 Independently controllable graphics layers
- Power fail HD SDI input bypass relay
- All ancillary and VBI data (e.g. embedded audio) from the HD SDI input is passed through transparently
- Layer specific graphic fade in and out function
- Remote configuration and unit upgrade via Ethernet
- Simultaneous subtitle and static logo insertion, integrated with Polistream (uses 2 layers)

Video signal connectors

75Ω in-line BNCs via PCI rear panel breakout cable

SDI video format – input and output

Serial digital component ANSI/SMPTE 259M-C (SD)
Serial digital component ANSI/SMPTE 259M (HD)

SDI video output specifications

Adaptive cable equalisation for optimum performance
Output jitter: < 0.2UI

SDI video connections

1 x video input
1 x video output (with power fail bypass)

Main processor

3.4 GHz Intel® Pentium

System memory devices

2 Gb (DDR) RAM
Internal 160Gb (min) SATA HDD

Operating system

Microsoft Windows XP Professional®

Control

All G5000 unit configuration and operation is performed via a controlling self-hosted PC application and there are no user configurable switches, links or front panel controls (with the exception of front panel mounted soft power and reset switches).

Rear panel connectors

2 x RJ45 Gigabit/100 BT	Ethernet
1 x 9 way D type (male)	RS232 serial (Com 1)
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 SDV Breakout cable comprising 6 75Ω BNC connectors

Media input

Front panel CDROM drive
3.5in Floppy drive

Indicators

3 x Front panel status LEDs
4 x Rear panel Ethernet port status LEDs

Physical

Unit dimensions: 430 x 710 x 90 mm (W x D x H)
2RU standard 19in rack-mounting
Approx unit weight: 14.75 Kg

Mains input connector

Panel mounted 3 pin IEC

Mains input voltage range

100 to 240 VAC

Mains input line frequency

50 – 60 Hz

Environmental cooling

- 2 x Internal chassis mounted high volume fans
- 2 x Internal fans for PCI card cooling
- 1 x PSU fan
- Front to back air flow

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)

