



polistream G3000

SDI Graphics Inserter

Operational configuration

Direct in-line subtitle and graphics insertion

Features

- Integral broadcast quality 10 bit SDI keyer
- Power fail SDI input bypass relay
- All ancillary and VBI data (e.g. embedded audio) from the SDI input is passed through transparently
- Graphic cell size (max) 625 line: 720 x 576
- Graphic cell size (max) 525 line: 720 x 485
- 32 full-screen graphics can be stored internally and displayed under Ethernet control
- Graphic fade in and out function available
- Remote configuration and unit upgrade via Ethernet

Video signal connectors

7 x 75Ω panel mounting BNC

SDI video format – input and output

Serial digital component ANSI/SMPTE 259M-C
625 and 525 line format supported (auto switching input)

SDI video output specifications

Output drive: 200m+ of BELDEN 8281 cable
Output jitter: < 704ps
Input to output delay: 600ns (8 pixels)

SDI video connections

- 1 x video input
- 1 x video output (input loop-through)
- 1 x video output (with power fail bypass)
- 1 x video output (direct - no power fail bypass)

Analogue video format – input and output

Analogue composite 1V pk to pk (PAL & NTSC)

Analogue video connections

- 1 x VITC / sync reference input
- 2 x monitor outputs

LTC time code input

LTC - line-level audio signal input on 75Ω BNC

Ethernet connection

100BASE-TX Ethernet RJ45 connector

Indicators

- 3 x Front panel system status LEDs
- 7 x Rear panel signal status LEDs

Control

All G3000 unit configuration and operation is done via the Ethernet connection directly from a controlling PC or application and there are no user configurable switches, links or front panel controls

Alarm outputs and GPI inputs

- 6 x Firmware enabled Alarm outputs
- 5 x Firmware enabled GPI inputs

Physical

Unit dimensions: 483 x 445 x 44.5 mm (W x D x H)
1RU standard 19in rack-mounting

Shipped dimensions: 590 x 580 x 110 mm (W x D x H)

Approx unit weight: 3.1 Kg

Approx shipped weight: 4.8 Kg

Mains input connector

Panel mounted 3 pin IEC with integral fuse holder

Mains input voltage range

100 to 250 VAC

Mains input line frequency

47 – 63 Hz

Power consumption (measured) @ 240V

Peak: 232 mA
Typical: 164 mA
Typically: 40 W

Environmental cooling

Dual fans with side to side air flow exiting on LHS (viewed from front)

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)

Custom configuration options

- 1 x Serial Ports (RS232 or RS422)
- Alarm and GPI configuration

