



polistream T3000

VBI Data Inserter

Operational configurations

- Direct in-line SDI VBI insertion
- Data bridge mode (SDI or analogue)

Features

- Power fail SDI input bypass relay
- All ancillary and VBI data (e.g. embedded audio) from the SDI input is passed transparently through the T3000 (in-line mode only)
- 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 line format supported

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)

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

Control

All T3000 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

Indicators

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

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 Port (RS232 or RS422)
- Alarm and GPI configuration

