



# poliscript G3

## SDI Subtitle Inserter

### Operational configuration

Poliscript 3000 system output device featuring direct in-line subtitle insertion

### Features

- Integral broadcast quality 10bit SDI keyer
- Power fail SDI input bypass relay
- All ancillary and VBI data (e.g. embedded audio) from the SDI input is passed transparently through the G3
- 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

### Ethernet connection

100BASE-TX Ethernet RJ45 connector

### Indicators

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

### Alarm outputs and GPI inputs

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

### Control

All G3 unit configuration and operation is done via the Ethernet connection directly from a controlling PC running Poliscript 3000 software and the G3 encoder application. There are no user configurable switches, links or front panel controls

### 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

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

### Safety

ENBS60950

### Custom configuration options

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

