

**VIDEO OVERLAY UNIT**

FRONT VIEW

**Unit Description**

The Video Overlay Unit enables data from equipment generating text data streams such as Traffic Monitoring Equipment, to be 'burnt in' over a video picture obtained from traffic cameras located at the monitoring scene. Employing software configured for the type of equipment used to record traffic data, the incoming stream is stripped of data not required for display, and reformats the display order to suit the required on-screen presentation.

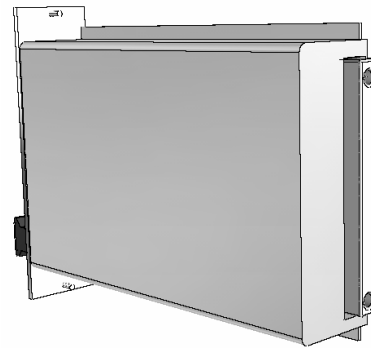
**Display Characteristics**

Operating with colour or monochrome video sources, the text display consists of text, 6 lines by 28 characters located at the bottom of the screen. New incoming data is displayed at the bottom of the screen then all the text is scrolled upwards, ensuring that the last 6 entries are on-screen at the same time.

A laptop PC may be connected in place of the reader equipment to generate text for videotape annotation purposes.

**Specification**

Power in	12V dc 0.1A max +-10%
Video in/out	1V pk-pk into 75 ohms
Video bandwidth	>6.5Mhz -3dB
Serial input	RS232 38k4 baud 8 data, 1stop No handshaking required. Other protocols to order
Controls	Text background ON/OFF
Indicators	LED power ON LED data received
Connectors:	Video In/out DIN 41612 Coaxial Insert x 2 RS232 and Power via. DIN 41612 pins on rear connector

**V8421-03-XX (Rack Mount)**

REAR VIEW

**Operation**

The unit is completely automatic in operation, the only operator control available is Background On/off.

In the event of loss of video input, the acquisition of data continues, and is displayed immediately on restoration of video. Text is White over a black or transparent background.

**Construction**

Module	screened plug-in unit, with anodised front panel and covers, EMC shielding, extractor handle. Rear connector for all signals.
Dimensions	3U x 7HP x 160mm deep to DIN41612. Compatible with DIN 41494/IEC297-3 racking systems.
Operating temp	-10 - 40C
Storage temp:	-20 - 70C
Versions available:	V8421-03- - 02-GR (Golden River) - 02-PT (Peek Traffic) - 03-PT (Peek Traffic ADR4000) - others to special order

**Supplied with:**

- Mating connector half and coaxial inserts,
- Rear Panel with 1 x 9 way D type, 2 x BNC connectors for Serial ADR and Video I/O
- Operating instructions.

Note: Firmware reconfiguration may be required to suit the interface equipment at additional cost.

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