Video BIU for TS2

DIMENSIONS	• TS-2 compatible card rack units
INPUTS	• 64 Detector Inputs via Traficon VU Protocol
CONNECTOR	• Double row 22 pins EDGE
POWER SUPPLY & CONSUMPTION	• 18-26 VCD·200 mA • Can be Inserted with Power Applied
ENVIRONMENTAL	• -29° F to +165° F (-34° C to +74°C) • 0 to 95% relative humidity—non-condensing
BIU SELECTION SWITCHES	• Selects TS2 Detector BIUs to emulate • Operates as 1 to 4 BIUs simultaneously
PORT 1 SPECIFICATIONS	• EIA-485 Standard Compliant 153.6 Kbps Data Rate • SDLC Protocol
EIA-232 PORT SPECIFICATIONS	• EIA-232 Standard • Traficon VU Protocol
POWER LED INDICATOR DETAILS	• Slow Blink Indicates Inadequate • 24VDC Power Level • Solid On Indicates Proper Power and Operation Solid Off Indicates No Power
TX2/RX2 LED INDICATORS	• RX2 blinks upon reception of Traficon VU message • TX2 blinks upon transmission of Traficon VU message
TX/RX LED INDICATORS	• RX blinks upon reception of TS2 SDLC message • TX blinks upon transmission of TS2 SDLC message

VU BIU FUNCTIONALITY

The Trafficware VU BIU provides a TS2 SDLC interface for Traficon VU camera processors. Any detection zone can be assigned to any of the 64 available TS2 detection channels. Multiple zones may even be applied to the same channel. Each channel maps directly to the 64 detection channels provided by standard TS2 Detector BIUs.

It operates by allowing a Traficon VU COM to provide the detection states via the EIA-232 interface. The VU BIU then assigns the detection information to the appropriate TS2 SDLC Detector BIU message, which is provided as a response to polling by the traffic controller. The VU BIU can be configured to emulate any of the 4 Detector BIUs simultaneously.