

## Ethernet Communications Module (VU COM)



### VU COM FUNCTIONALITY

By establishing communication between the PC software on the central computer and the Video Image Processor (VU) detectors, the VU COM board performs all primary functions for communication and transmission of traffic data and alarm events issued by the VU detectors. VU COM also stores video sequences (with pre-and post incident information).

### REMOTE ADMINISTRATION USING YOUR INTERNET BROWSER

Using a standard Internet browser, the VU COM board can easily be managed over the TCP/IP (Ethernet) network, thereby facilitating remote administration. For both diagnostics and administration, the dynamic HTML pages provide access to a number of functionalities such as streaming video, real-time traffic data reports, and set-up of the VU COM and VIP boards.

In addition to these primary functions, the VU COM board also performs the digitization and compression of images, provides remote monitoring, and has the ability to change the configurations of all VIP boards. Users can execute a complete set-up, modify detection zones, and check the result on the screen, right from their desk. All of these features make VU COM stand out as a perfect tool for traffic analysis.

### KEY BENEFITS

- Remote monitoring of the VIP boards. Up to 6 cameras for VU 1 and 12 cameras for VU 2.
- Video sequence with pre- and post incident information.
- Password protected, remote set-up or modification of configuration parameters.
- Ethernet communication (IP addressable) AND RS232 communication on the same board.
- Transmission of data, alarm events and Images
- BIU Interface through VU BIU
- Ethernet makes multiple host connections possible for redundancy purposes.
- A standard internet browser connects to the VU COM to monitor and set-up the video detection installation.
- Easy set-up, similar to the VIP boards.
- Direct plug-in module for NEMA TS1 & TS2, Type 2070, controller cabinets



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### **DIMENSIONS**

- TS-2 compatible card rack units

### **COMMUNICATION**

- Ethernet communication for image and data transfer (10Mb/sec) via RJ-45 connector
- RS232-C communication for image and data transfer via DB9 connector; also used as service port for set-up
- RS-485 communication within a rack for data acquisition via EDGE connector

### **INPUTS**

- Composite video 75 V 1Vcc CCIR/EIA
- Power Supply
- Reset switch on front panel

### **OUTPUTS**

- Analog video output with overlay of system information
- Auto diagnostic LED indicators

### **CONNECTOR**

- Double row 22 pins EDGE (NEMA TS-2-1992)

### **POWER SUPPLY & CONSUMPTION**

- 10.8 to 26.5 VDC
- 250mA at 24 VDC

### **ENVIRONMENTAL**

- -29° F to +165° F (-34° C to +74° C)
- 0 to 95% relative humidity—non-condensing

### **REMOTE MONITORING AND TRANSMISSION OF DATA, ALARMS, & IMAGES OVER ETHERNET AND RS232**

- Handles transmission of Traffic Data and Alarm Events
- Performs digitization and hardware based JPEG compression of images
- Handles transmission of images

### **HARDWARE**

- Hardware Compression Chip Color JPEG
- 6 video inputs (all switchable)
- Connections: 1 Ethernet 10Mb/s, 1 x RS232, 1 x RS485 (internal)

### **BOARD SOFTWARE**

- Operating system is embedded LINUX
- Java Applets for set-up
- Video Server for live streaming images

### **PC SOFTWARE**

- TMS software interacting with VU COM is available

