



TRAFICON USA
TRAFFIC VIDEO DETECTION

PN 7250-208



VIEWCOM/E MAX

Remote Monitoring, Transmission of Data, Alarms, Images and real-time MPEG-4 streaming video over ETHERNET



VIEWCOM/E FUNCTIONALITY

By establishing communication between the PC-based management software on the central computer and the Video Image Processor (VIP) detectors, the VIEWCOM/E MAX board performs all primary functions for communication and transmission of traffic data and alarm events issued by the VIP detectors. VIEWCOM/E MAX also provides streaming MPEG-4 compressed streaming video for remote monitoring.

REMOTE ADMINISTRATION USING YOUR INTERNET BROWSER

Using a standard Internet browser, the VIEWCOM/E MAX 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 VIEWCOM/E MAX and VIP boards.

KEY BENEFITS

- » Transmission of data, alarm events, images, generated by VIP detector boards
- » MPEG-4 streaming video
- » Remote monitoring of VIP boards. Up to 4 cameras from VIP3(D).1 and 8 cameras from VIP3(D).2
- » Password secured, remote configuration
- » TCP/IP based 10/100 Mbps Ethernet communication
- » A standard internet browser connects to the VIEWCOM/E MAX to monitor and set-up the video detection installation.
- » Easy set-up, similar to the VIP boards
- » Direct plug-in module for Type 170, NEMA TS1 & TS2 controller cabinets
- » High mean time between failures (MTBF), field-proven performance



Remote configuration via VIEWCOM/E MAX



Real-time visual verification via internet browser

In addition to these primary functions, the VIEWCOM/E MAX board also performs the digitization and compression of images, provides remote monitoring and has the ability to change the configurations of all VIP detection 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 VIEWCOM/E MAX stand out as a perfect tool for traffic analysis.

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SPECIFICATIONS

Dimensions

- 170 and NEMA TS1 & TS 2 Compatible card rack unit

Communication

- Ethernet communication for image-, data- and streaming video transfer (10/100 Mbps) through RJ-45 connector
- RS232 serial communication port for local service access and set-up with keypad
- RS-485 communication within a rack for data acquisition via EDGE connector

Inputs

- Composite video 75 Ω 1Vcc CCIR/EIA
- Power Supply
- Reset button on front panel

Outputs

- Analog video output with overlay of system information
- Power LED indicator

Connector

- Double row 22 pins EDGE (NEMA TS 2-2003)

Power Supply & Consumption

- 10.8v to 26.5v DC
- TBD

Environmental

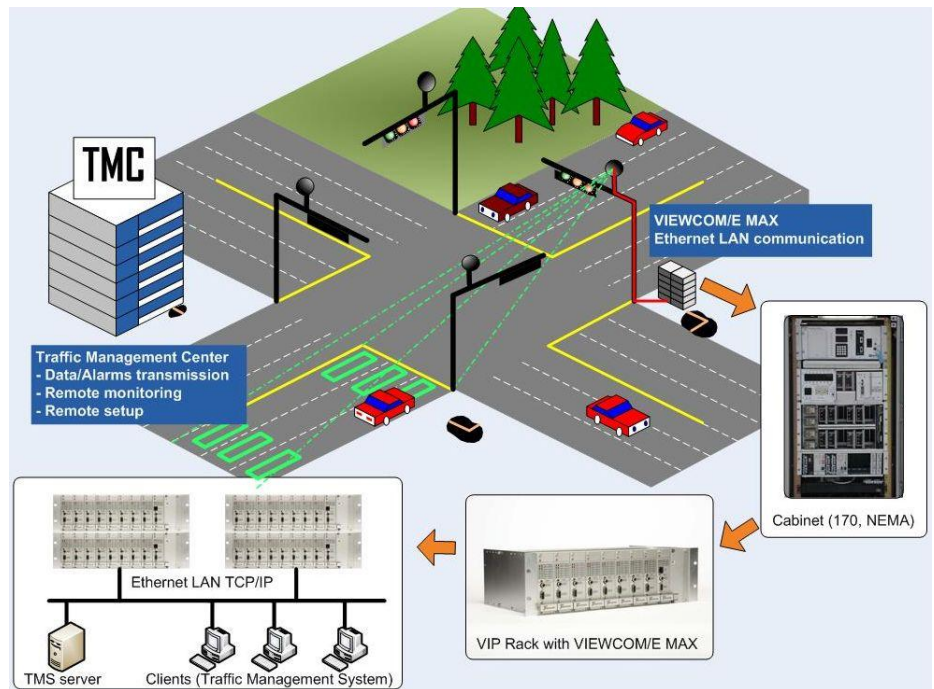
- -29°F to +165°F (-34°C to +74°C)
- 0 to 95% relative humidity non-condensing

EMC

- FCC Part 15, Class A

VIEWCOM/E MAX

- » Controls transmission of traffic data & alarm events.
- » On-board JPEG compression for still images.
- » On-board MPEG-4 compression for real-time streaming video.



HARDWARE

- » Hardware Compression JPEG and MPEG-4.
- » 4 video inputs (all switchable).
- » Connections: 1 x Ethernet 10/100 Mbps, 1 x RS232, 1 x RS485 (internal).

BOARD SOFTWARE

- » Operating system is embedded LINUX.
- » On-board web server with Java Applets for set-up.
- » Video server for live streaming images.

PC SOFTWARE

- » Graphical TMS and Viewcom PC software for interacting with the VIEWCOM/E MAX is available.

Version: DRAFT

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