



## COM-VICCOM-VIEWCOM

The Module for Remote Monitoring and Transmission of Data, Alarms and Images

### KEY BENEFITS

#### COM

- Dedicated solution for communication and transmission of real-time traffic & alarm monitoring

#### VICCOM

- Data, alarm events AND images
- Video sequence with pre-and post-incident information

#### VIEWCOM

- Remote monitoring of VIP boards & cameras
- Remote setup or modification of configuration parameters
- Corresponding easy to use graphical PC client software available

#### COM

The COM performs all primary functions for communication and transmission of traffic data and alarm events issued by the VIP detectors.

#### VICCOM

VICCOM is a board for compressing and storing video images of the traffic situation.



It establishes communication between the WATTS PC software on the central computer and VIP detectors, handles the digitization and compression of images, monitors field alarms, transmits data & images and stores video sequences (with pre-and post-incident data). These features make it stand out as a perfect tool for incident analysis.

#### VIEWCOM

The VIEWCOM provides remote monitoring and the ability to change configurations of all VIP boards.



With the corresponding PC client software, users can execute a nearly complete setup or modify detection zones and check the result on screen, right from their desk.

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## Dimensions

- 19" rack compatible Euro Card

## Communication

- RS-485 communication within a rack for data acquisition
- RS232-C service port for set-up
- RS232-C for image and data transfer

## Inputs

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

## Outputs

- Analog video output with overlay of system info data
- Auto-diagnostic LED indicators
- 8 optically isolated open-collector outputs
- 1 optically isolated open-collector error output

## Connector

- DIN 41612 - 48 pins F (male)
- DIN 41612 - 64 pins B (male) for SITRAFFIC VIEWCOM

## Power Supply & Consumption

- COM, VIEWCOM:
  - +5V dc (600mA) to +26V dc (200 mA)
- VICCOM: +5V dc +/- 2% (600mA)

## Environmental

- -34°C to +74°C
- 0 to 95% relative humidity - non-condensing

## EMC

- EN 55022 – ET 50082-2 Industrial

## TYPICAL INSTALLATION

- For a typical installation, several VIP boards (possibly serving different types of application) are integrated into a 19" rack.
- Communication options of the boards are serial (RS232.RS485) and open collector outputs.
- A VICCOM board ensures data and image transfer together with pre- and post – incident information to a remote traffic control centre.
- A VIEWCOM board is frequently used in combination with VIP/P, the board for presence detection near intersections.
- The communication board uses dialup or leased lines, fibre optic or other means for communication.
- On the host computer at the control centre, the WATTS PC software (Wide Area Traffic Telematics Server) monitors the detection systems.

## COM

- Communication speed between host computer and VIP detectors up to 115.000 bps
- Transmission of data and alarm events
- WATTS PC software compatible

## VICCOM

- Excellent tool for alarm analysis
- Handles digitization & hardware based wavelet compression of images at 10 images per second
- Handles transmission of images
- Stores video sequences with pre- and post-incident information for analysis in WATTS PC software
- Video storage capacity from 850 images of 20 Kb to 2600 images of 5 Kb

## VIEWCOM

- JPEG like compression with enhanced intelligence for streaming and still video
- Graphical PC software for interacting with the VIEWCOM (image request, freeze frame for modifying zone layout) is available.

