



VIP/I – INCIDENT MONITOR

THE INDOOR – OUTDOOR MODULE FOR TRAFFIC FLOW MONITORING & AUTOMATIC INCIDENT DETECTION

VIP/I INCIDENT MONITOR

The VIP/I combines indoor/outdoor traffic flow monitoring and automatic incident detection functionality all in one single board.



AID system

The VIP/I automatically generates alarms for a wide range of events, going from wrong-way drivers, over speed drop to stopped vehicles or even deteriorating image quality. A corresponding output immediately becomes activated. During set-up, the user can easily specify the type of event for which he wants to trigger an alarm. He can define under what conditions to do so. He can even decide on the amount of information to be displayed on the monitor. All of these options are available via an extremely user-friendly, menu-driven set-up procedure using a VIP keypad or portable PC. The convenience of a remote set-up via

the VICCOM/E and WATTS PC software is also possible. All alarms and flow data can be permanently monitored over a serial port.

AUTOMATIC INCIDENT DETECTION

The VIP/I detects vehicles stopping in the detection area within seconds. Up to 8 detection groups can be placed in the monitored area. Reported alarm events include queue, stopped vehicle, wrong-way driver, speed drop, smoke or fog and video failure.



Fast incident detection and verification can prevent secondary accidents

FLOW MONITORING

The VIP/I monitors both the traffic flow speed and the zone occupancy for up to 8 lanes. It automatically distinguishes 5 types of traffic flow (levels of service) based on flow speed and zone occupancy. Within seconds it detects wrong-way drivers or sudden speed variations.

KEY BENEFITS

- INDOOR AND OUTDOOR
- INCIDENT DETECTION AND FLOW MONITORING
- HIGH RELIABILITY
- FAST DETECTION
- ACCURATE LOW SPEED MEASUREMENT
- LOW FALSE ALARM FREQUENCY

AUTOMATIC INCIDENT DETECTION

- WIDE RANGE OF PROGRAMMABLE ALARM EVENTS TO NOTIFY THE OPERATOR: STOPPED VEHICLE, LOST CARGO, WRONG-WAY DRIVERS, SMOKE AND FIRE, ...

TRAFFIC FLOW MONITORING

- DISTINCTION BETWEEN DIFFERENT TYPES OF TRAFFIC FLOW
- SPEED DROP & WRONG-WAY DRIVERS



8 VIP boards integrated into a standard 19" rack

SPECIFICATIONS

DIMENSIONS

- 19" rack compatible Euro Card

COMMUNICATION

- RS-232C service ports for set-up
- RS485 communication within a rack for data acquisition

INPUTS

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

OUTPUTS

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

CONNECTOR

- DIN 41612 - 48 pins F (male)

POWER SUPPLY & CONSUMPTION

- +5V dc (600mA) to +26V dc (200mA)

ENVIRONMENTAL

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

EMC

- EN 55022 - EN 50082-2 Industrial

TYPICAL INSTALLATION

- For a typical installation, several VIP boards (possibly serving different types of applications) are integrated into a standard 19" rack.
- Communication options of the boards are serial (RS232/RS485), Ethernet or open collector outputs.
- A communication board (VICCOM/E) provides remote monitoring, remote set-up and the ability to change detector configurations remotely.
- 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 software (Wide Area Traffic Telematics Server) monitors the detection systems.

AUTOMATIC INCIDENT DETECTION

- VIP/I detects vehicles stopping in the detection area within seconds.
- 0Up to 8 detection groups can be placed within the monitored area.
- VIP/I generates alarms for a wide range of events:
 - ⇒ Queue
 - ⇒ Speed drop
 - ⇒ Stopped vehicles
 - ⇒ Smoke or fog
 - ⇒ Wrong-way driver
 - ⇒ Video failure
- For each alarm, a corresponding output can be defined.
- During set-up, alarm levels can be programmed for:
 - ⇒ Flow speed
 - ⇒ Stopped vehicle
 - ⇒ Speed drop (alarm time on – alarm time off)
 - ⇒ Zone occupancy
 - ⇒ Image quality
- During set-up, alarms can be enabled or disabled for a specific type of traffic flow (e.g. no stopped vehicle alarms during queue conditions).

FLOW MONITORING

- VIP/I monitors traffic flow speed between 0 and 150 km/h for up to 8 lanes.
- VIP/I monitors the zone occupancy of the detection area.
- VIP/I automatically distinguishes 5 types of traffic flow (levels of service) based on flow speed and zone occupancy.
- VIP/I detects both wrong-way drivers and sudden speed variations within seconds.

DATA SUBJECT TO ALTERATION WITHOUT NOTICE OR OBLIGATION.

YOUR CONTACT