

Multi-functional video DETECTION BOARDS



The VIP series offers multi-functional Video Image Processing modules for traffic control. VIP boards integrate automatic incident detection, data collection, recording of pre and post incident image sequences and streaming video in one board. VIP modules have been installed for road and tunnel projects all over the world.

AUTOMATIC INCIDENT DETECTION

VIP-Series modules detect a variety of traffic and non-traffic events.

- Stopped vehicles, speed drops, and traffic congestion
- Levels of service
- Overspeed and under speed
- Wrong-way drivers
- Pedestrians and fallen objects
- Smoke in tunnels

TRAFFIC DATA COLLECTION

VIP-Series modules collect traffic data, detect queues, and emulate loops on highways and inter-urban roads.

- Traffic flow speed and zone occupancy
- Integrated vehicle traffic data: average speed per vehicle class per lane (headway and gap time per length) and occupancy
- Individual vehicle traffic data: speed, gap time, headway, and vehicle classification

EASY TO INSTALL AND OPERATE

Users can enjoy a reliable, trouble-free detection solution 24/7.

- Instant operator warnings
- Convenient logging and recording of events, data, and video sequences
- Extensive interfacing and reporting capabilities
- Field-proven video detection experience
- High lifetime, low power, and easy maintenance

SPECIFICATION

Models	VIP-IP	VIP-HD
Video input	IP video: VGA, 4CIF or D1	IP video: up to full HD in H264 or MPEG-4
Encoding format	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG
Max. resolution	D1 @ 30 fps	Full HD (1920x1080) @ 30 fps
Multi-streaming	Single H.264 or MPEG-4, or MJPEG	Single H.264 or MPEG-4, or MJPEG
Max. Streams	Max 4 unicast or multicast	Max 4 unicast or multicast
Audio	No	No
Boards per rack	8 in (19" rack)	8 in (19" rack)
Power supply, outputs, & communication		
Power	< 4W	< 4W
Standalone form	Box, 24 V DC (+/- 15%)	Box, 24 V DC (+/- 15%)
LAN connector type	10/100 Mbps RJ45	10/100 Mbps RJ45
Digital inputs	1	1
Digital outputs	2	2
Data	No	No
PTZ control	No	No
Additional features		
AID	AID overlay	AID overlay
Operating temperature	-34 °C to +74 °C	
-29 °F to 165 °F	-34 °C to +74 °C	
-29 °F to 165 °F		
MTBF	200,000 hrs.	200,000 hrs.
Dimensions (HxWxD)	130 mm x 41 mm x 190 mm	130 mm x 41 mm x 190 mm
Weight	200 g	200 g
Analytics	Video analytics module for network cameras	Video analytics module for network HD cameras
Automatic incident detection	Yes	Yes
Data collection	Yes	Yes



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