



Key Features

- Adapts traffic signals based on visual camera detection of vehicles
- Monitors MAC addresses of Wi-Fi-enabled devices such as smart phones to determine rates of travel along segments
- Generates basic count data at intersections and in urban environments
- Mounts quickly and integrates with existing platforms through BPL technology or PoE connection

Main Applications

- Improves dynamic control of traffic signals with stop bar and advanced presence detection
- Integrates easily and features non-intrusive, above-ground installation
- Transmits detection output via dry contact outputs or TCP/IP network communication

SPECIFICATIONS

System Overview	
Functionalities	Vehicle presence
Detection zones	8 vehicle presence zones
Detection distance	0–25 m/0–85 ft (wide variant) 15–75 m/50–250 ft (narrow variant)
Configuration	Web page via secure Wi-Fi or Ethernet
Installation height	3.5–6 m/11.4–19.6 ft (wide variant) 5.5–8 m/18.0–26.0 ft (narrow variant)
Visual Sensor	
Resolution	640 × 480 pixel, color CMOS
Frame rate	15 fps
Lens HFOV	90° (wide variant) or 32° (narrow variant)
Streaming video	RTSP
Compression	H.264, MPEG-4, MJPEG
Housing	
Material	Aluminum housing with PC GF10 sunshield
Bracket	PA GF30 mounting clamps and aluminum tube
Power, Outputs, & Communication	
Input power	12 – 42 V AC 12 – 48 V DC
Power consumption	Average 6.2 W, peak 7 W, peak with powerdip 14 W
Outputs	1 N/O and 1 N/C dry contacts direct 16 N/C dry contacts via TI BPL3, TI SLT or 4 N/C via BPL3 Edge B&SIU onboard + maximum 5x N/C via 4I/O USB expansion boards (max. total 24 outputs) SDLC: BIU–64 or SUI–128
Ethernet PoE	10/100 Mbps PoE A and PoE B
Powerline communication	Via TI BPL3 or TI BPL3 EDGE interface

Wi-Fi	IEEE 802.11 type b,g,n EIRP <100 mW
Network communication	JSON API
Environmental	
Shock and vibration	NEMA TS2 specs
Materials	All weatherproof UV-resistant
IP rating	IP67
Temperature range	-40°C to 74°C (-40°F to 165°F)
FCC	FCC part 15 class B
Regulatory	
EU directives	EMC 2014/30/EU, RoHS 2011/65/EU
General	
Dimensions (L × W × H)	70 × 200 × 440 mm / 2.75 × 7.87 × 17.32 in. (camera with bracket)
Weight	850 g / 1.87 lb. (camera with bracket)

Model	Description
10-8000	TrafiCam 3 Wide
10-8005	TrafiCam 3 Narrow

For more information about FLIR TrafiCam 3, please scan or visit:

emitec
industrial

Emitec Messtechnik AG
Birkenstrasse 47
6343 Rotkreuz

+41 41 748 60 10
info@emitec.ch
www.emitec-industrial.ch

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