Vehicle presence sensor
TrafiCam

FLIR TrafiCam is a vehicle presence sensor that combines a CMOS camera and a video detector in a single unit. FLIR TrafiCam detects moving and stationary vehicles at signalized intersections. Via detection outputs, vehicle presence information is transmitted to the traffic controller so that signal timing can be adjusted dynamically. This way, vehicle waiting time at traffic lights is reduced and traffic flows are optimized.

DIRECTION-SENSITIVE VEHICLE DETECTION

FLIR TrafiCam detects vehicles over multiple lanes and makes use of direction-sensitive presence zones.

EASY CONFIGURATION, VISUAL VERIFICATION

FLIR TrafiCam allows you to exactly position and verify the vehicle presence detection zones.

EASY INSTALLATION

FLIR TrafiCam is easy to install. Simply mount it on the existing infrastructure.

SPECIFICATION

System Overview	
Detection functionality	Vehicle presence
Detection zones	8
Detection Outputs	4 via interface 1TI; 8 via interface 4TI ETH; 8 via 4TI ETH EDGE
Camera	
Resolution	160 × 120 pixels
Frame Rate	9 FPS
Detector type	Focal Plane Array (FPA) uncooled VOx microbolometer LWIR sensor, 8–14 µm wavelength
Streaming Video	RTSP
Compression	H.264, MPEG-4

Visual Sensor		
Resolution	640 × 480 (VGA)	
Frame rate	20 fps	
Lens Type	Wide	Narrow
Focal Distance	2.1 mm	6 mm
Detection Range	0–25 m / 0–85 ft	15–75 m / 50–250 ft

Housing	
Material	Aluminum
Bracket	Vertically mounted: 45 cm × 16 cm × 12 cm Horizontally mounted: 41 cm × 18 cm × 12 cm
Sunshield	Optional
Compression	h.264, MPEG-4, MJPEG

Power, Outputs, & Communication	
Operating Voltage	12–26 VAC/DC
IP Address	No
Communications PC - Sensor	Via interface
Interfaces	1TI, 4TI ETH
Outputs	4 for 1TI; 8 for 4TI ETH; 4 extra per 4/Os xp.
PC Setup	TrafiCam PC Tool

Regulatory & Environmental	
EMC	Electromagnetic Compatibility 2014/30/EU
FCC	FCC Part 15 Class A
Temperature Range	-34° to 80°C
Materials	Weatherproof (UV-resistant)
Protection Grade	IP67

Part numbers			
TrafiCam	Lens type	Focal distance	Detection distance
10-6090A	Wide	2.1 mm	0–25 m / 0–85 ft
10-6091A	Narrow	6.0 mm	15–75 m / 50–250 ft

Interfaces	
10-6078	1TI
10-6077	4TI ETH

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