



## VEHICLE PRESENCE SENSOR

# TrafiCam x-stream2

The FLIR TrafiCam x-stream2 combines a digital camera and video detector into a single vehicle presence sensor. Detecting moving and stationary vehicles at signalized intersections, TrafiCam x-stream2 transmits vehicle presence information to a traffic controller via detection outputs or TCP/IP communication for adaptive and responsive signal timing. Each cost-effective TrafiCam x-stream2 sensor helps reduce vehicle idling time and optimize traffic flow.

[www.flir.com/Traffic](http://www.flir.com/Traffic)



### VEHICLE DETECTION

Dynamic control of traffic signals by detecting vehicles 24/7, over multiple lanes and any direction

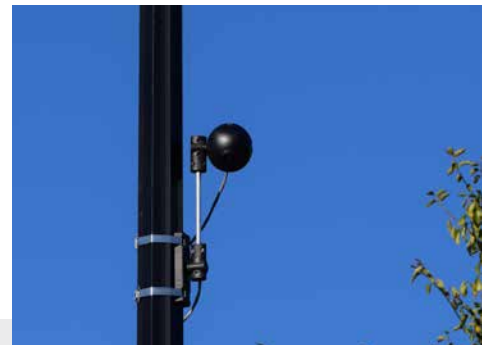
- Adapt signal times according to actual demand and optimize traffic flow
- Traffic data collection, queue detection and traffic flow monitoring



### TRAFFIC MONITORING

Real-time verification and monitoring with video streaming capabilities

- Local & remote configuration
- Position vehicle presence and traffic data zones
- Live viewing



### EASY-TO-INSTALL

Mounting onto existing infrastructure and quick integration with various system architectures

- Non-intrusive, above ground installation
- Broadband over powerline communication technology
- Detection contact outputs and TCP/IP data communication (public API available)

## TECHNICAL SPECIFICATIONS

<b>System Overview</b>			
Functionalities	Vehicle Presence Detection Traffic Data Collection		
Detection zones	24 vehicle presence detection zones 8 traffic data zones (also for traffic flow monitoring)		
Configuration	Web page setup		
<b>Camera</b>			
Type	CMOS 1/4" color		
Resolution	VGA (640 × 480)		
Frame Rate	25 fps		
Compression	H.264, MPEG-4, MJPEG		
Streaming Video	RTSP		
<b>Product Types</b>			
	<b>Part Number</b>	<b>Focal Distance</b>	<b>Detection Distance for Vehicle Presence</b>
TrafiCam x-stream2 Wide	10-7150	2.1 mm	0-25 m / 0-85 ft
TrafiCam x-stream2 Narrow	10-7151	6.0 mm	15-75 m / 50-250 ft
<b>Housing</b>			
Material	Aluminum housing with integrated polycarbonate sun shield		
Dimensions (incl. mounting bracket)	Vertically mounted: 45 cm × 16 cm × 12 cm / 9.8 in × 6.3 in × 4.7 in Horizontally mounted: 41 cm × 18 cm × 12 cm / 16.2 in × 7.1 in × 4.7 in		
<b>Power, outputs, communications</b>			
Input power	24-42 VAC / 24-48 VDC		
Power consumption	Avg 6 W / Peak 9 W		
Output contacts	1 N/O and 1 N/C dry contact direct 16 N/C dry contacts via TI BPL2 interface 4 N/C dry contacts via TI BPL2 EDGE interface (more with additional 4 I/O USB expansion boards) SDLC to traffic light controller via TI BPL2 EDGE interface and PIM module		
PoE	PoE mode A for configuration, video streaming and data		
BPL	80 Mbps Broadband over Powerline communication via TI BPL2 or TI BPL2 Edge interface		
<b>Environmental</b>			
Shock & Vibration	NEMA TS2 specs		
Materials	All weatherproof UV		
IP Rating	IP 67		
Temperature Range	-34°C to +74°C / -29°F to +165°F		
<b>Regulatory</b>			
FCC / EU Directives	FCC part 15 class A, EMC 2014/30/EU RoHS 2011/65/EU, LVD 2014/35/EU		

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)

**CORPORATE HEADQUARTERS**  
FLIR Systems, Inc.  
27700 SW Parkway Ave.  
Wilsonville, OR 97070  
PH: +1 877.773.3547

**FLIR ITS**  
Hospitaalweg 1B  
B-8510 Marke  
Belgium  
PH: +32 (0)56 37 22 00

[www.flir.com](http://www.flir.com)  
NASDAQ: FLIR

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2020 FLIR Systems, Inc. All rights reserved. (01/20)

20-0149-ITS



The World's Sixth Sense®