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
## System Overview

**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  

### Camera

**Type**  
CMOS 1/4” color  

**Resolution**  
VGA (640 × 480)  

**Frame Rate**  
25 fps  

**Compression**  
H.264, MPEG-4, MJPEG  

**Streaming Video**  
RTSP  

### Product Types

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Focal Distance</th>
<th>Detection Distance for Vehicle Presence</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-7150</td>
<td>2.1 mm</td>
<td>0-25 m / 0-85 ft</td>
</tr>
<tr>
<td>10-7151</td>
<td>6.0 mm</td>
<td>15-75 m / 50-250 ft</td>
</tr>
</tbody>
</table>

### Housing

**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  

### Power, outputs, communications

**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  

### Environmental

**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  

### Regulatory

**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