

# FLIR Trafibot HD

## Box Camera With Integrated Video Analytics

FLIR's Trafibot HD combines field-proven video detection algorithms with advanced camera optics and powerful processing technology in a single housing. Trafibot HD (with 1920 x 1080 resolution) is a network box camera that provides superior image quality, embedded AID analytics as well as multi-stream encoding. This combination of technologies makes for a very cost-effective solution which at the same time delivers top-level performance.

Trafibot HD's advanced processing unit generates traffic data and incident detection information and thus supports traffic operators with alerts on stopped vehicles, wrong-way drivers, pedestrians, lost cargo, smoke, and traffic flow data.

### AUTOMATIC INCIDENT DETECTION

#### Traffic events

Stopped vehicle, Speed drop, Levels of service, Overspeed, Wrong-way drivers, Traffic congestion, Underspeed

#### Non-traffic events

Smoke in tunnel, Pedestrian, Fallen object

#### Technical alarms

Image quality, Camera tampering

### TRAFFIC DATA COLLECTION

#### Traffic flow data per lane:

Traffic flow speed, zone occupancy

#### Integrated vehicle traffic data

Average speed per vehicle class per lane

(headway, gap time per length, class per lane), occupancy

#### Individual vehicle traffic data

Speed, gap time, headway, vehicle classification

### KEY BENEFITS

- ALL-IN-ONE, COST-EFFECTIVE CAMERA SOLUTION FOR AUTOMATIC INCIDENT DETECTION
- FIELD-PROVEN AID ALGORITHMS
- FOR INDOOR & OUTDOOR APPLICATIONS
- SUPERB IMAGE QUALITY
- MULTI-CODEC (H.264, MJPEG) AND MULTI-STREAMING
- ETHERNET, DIRECT OPTICAL FIBRE OR IP OVER COAX
- FOCUS-ASSIST FOR EASY & ACCURATE INSTALLATION
- ONVIF-COMPLIANT



Stopped vehicle



Inverse direction



## Imaging Specifications

System Overview	
<b>TrafiBot HD</b>	
Description	Full HD IP camera with embedded AID
Video input	1/2.8" CMOS
Encoding format	H.264, MJPEG
Max. resolution	Full HD (1920x1080) @ 30 fps
Multi-streaming	Dual streaming: H.264 (HP-MP) or MJPEG
Max. Streams	Unicast and/or multicast, max 20
Audio	1 full duplex stereo Optional: 24 bit audio transmission
Boards per rack	N/A
Power supply, outputs & communications	
Power	7W
Stand-alone form	12V DC or 24V AC or 802.3af PoE
LAN connector type	10/100 Mbps RJ45 or SFP for fibre or IP over coax (ECO)
Digital inputs	2
Digital outputs	2
Data	RS232 or RS422/485
PTZ control	Yes
Comm. Standards	ONVIF profile S, NTCIP, SNMP
Additional features	
AID	AID Customizable overlay Video motion detection Image monitor (quality measurement) Tamper detection Privacy masks
Operating temperature	-30 °C to +50 °C -22 °F to +122 °F
MTBF	> 300,000 hrs
Dimensions (HxWxD)	64 mm x 64 mm x 150mm
Weight	390 g

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