DUAL- VISION CAMERA FOR AUTOMATIC INCIDENT DETECTION
ITS-SERIES DUAL AID 316L

FLIR ITS-Series Dual AID cameras combine best-in-class thermal and visual imaging technology with advanced video analytics to provide a complete solution for automatic incident detection, data collection and early fire detection. FLIR's traffic video analytics have proven their effectiveness worldwide along highways and in tunnels and are now combined with the power of thermal imaging that allows traffic operators to see clearly in total darkness, in bad weather and over a long range.

24/7 THERMAL IMAGING
The FLIR ITS-Series AID offers long-range, 24/7 performance, regardless of weather conditions.

INCLUDES A VISUAL CAMERA
The visible-light camera enables real-time visual incident verification and offers possible forensic evidence after the incident.

AUTOMATIC INCIDENT DETECTION
FLIR ITS-Series AID provides critical information on traffic incidents and detects fires within seconds of ignition.

SPECIFICATION

Overview	
Detector Type	Focal Plane Array (FPA), uncooled Vanadium Oxide Microbolometer
Dimensions	Housing only: 185 x 102.24 x 409 mm; With bracket: 346 x 256 x 409 mm
Housing material	Stainless steel 316L
Mounting	Wall, pole, ceiling mount
Spectral Range	7.5 to 13.5 µm
Connectivity	RJ45 connector; Optional fiber optics on connector (MM/SM) plus 24Vdc power connector 2 optional digital outputs
Analytics	
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.
Fire Detection	Early fire detection in tunnels
Connections & Communications	
Interface	10/100 Mbps Ethernet (RJ-45) or Direct fiber connector (MM, SM)
Supported Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMPv1/2/3, QoS, ONVIF, 802.1X
Video Over Ethernet	Two independent channels for each camera (4 total) of streaming H.264 or M-JPEG
API	ONVIF Profile S
Electrical & Mechanical	
Consumption	12W heater off, 21W heater on
Weight	5kg
Connectors	IP67 network and power connector
Environmental	
Ingress Protection	IP66 / IP67
Operating temperature Range (with sunshield)	-30°C to +75°C (-22°F to 167°F) - Nema TS-2
Relative Humidity	0% to 100%, no condensation
Imaging & Optical	
Image Frequency	NTSC: 30 Hz PAL: 25 Hz
Image Processing	Automatic Gain Control (AGC), Digital Detail Enhancement (DDE)
Image Sensor	1/3" Sony CMOS sensor
Streaming Resolution	Visual: up to 1920 x 1080 @ 30 Hz Thermal: up to 640 x 480 @ 30 Hz
Resolution - Visual	Max: 1920 x 1080
Storage	
Storage options	Micro SD card, 32 GB, NAS
Local recording	Continuous, scheduled, alarm
Power	
Power Options	Standard PoE (+) autodetecting, 24Vac/dc
Thermal Imaging	
Focal Length	9/13/19/25/35mm
Native Resolution	640 x 512
Visible Camera	
Optical Zoom - Visible	10x motorized optical zoom
Focal length	4.9 -> 49mm