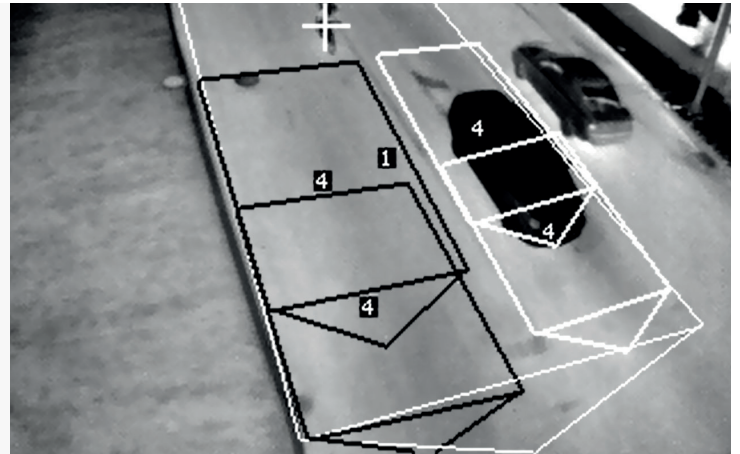


ACYCLICA PLATFORM

The Cloud Layer for ITS



The Acyclica smart city platform is a web-based data analytics tool that transforms mountains of data into actionable information to help agencies better understand travel times, traffic patterns and congestion. From real-time congestion mapping to “point and click” origin-to-destination analysis, Acyclica helps agencies understand how people move. A range of automated reports, powerful user interface, and comprehensive APIs ensure that data is where you need it, when you need it.

www.flir.com/Traffic

SMARTER ROADS, SAFER CITIES

Acyclica provides the tools needed to understand and reduce congestion for greater safety

- Fusing data from multiple sources helps uncover insights that aren't available anywhere else
- A wide range of analytics and tools helps agencies monitor travel times and traffic patterns
- High-resolution, real-time data allows for the monitoring of current conditions, as well as historical analysis

COLLECT VALUABLE TRAFFIC DATA

Integrating infrastructure and data from a host of sources and partners, Acyclica intelligently fuses data from road users in motion

- Collect vehicle class and measure traffic volume, speed, occupancy, headway and gap time
- Use Wi-Fi to anonymously track how road users move and calculate travel and delay times at intersections
- Determine origin destination, turning movement counts, and real-time congestion mapping
- Sunlight readable screen; visible through polarized glasses

CLOUD-BASED DATA ANALYTICS

With an industry-leading user interface, Acyclica generates automated reports and comprehensive APIs

- Secure and reliable cloud software enables inter-agency data sharing
- Automated reports sent straight to your inbox
- A powerful set of APIs provides integration with variable message signs, automated traffic management systems, public websites, and custom applications

SPECIFICATIONS

System Overview	
Cloud reliability & Performance	Auto scaling groups and auto instance failure recovery Network failure recovery via auto buffering on sensors and detectors AWS CloudWatch monitoring. Pro-active support staff alerting on fault detection
Cloud Communication	Plug & play HTTPS secure communication TLS 2048-bit encryption

Module Compatibility

	DA-400	TrafiSense AI	TrafiSense2	TrafiSense	TrafiOne	TrafiData	TrafiSense2 Dual	TrafiCam X-Stream
Essential VSO	Included *	Included	Included	Included	Included	Included	Included	Included*
FLIR VSO	Optional *	Optional	Optional	Optional	Optional	Included	Optional	Optional*
Travel Time	Included	Optional	Optional	—	Optional	Included	—	—
DA	Included	—	—	—	—	—	—	—
Intersection Performance	Included	Optional [†]	Optional [†]	—	—	—	—	—
Route Performance**	Optional	Optional	Optional	—	Optional	Optional	—	—
VSO (non-FLIR)	Optional*	—	—	—	—	—	—	—
VPN	Optional	—	—	—	—	—	—	—
Reporting**	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional*
Planning**	Optional	Optional	Optional	—	Optional	Optional	—	—

Data types

	DA-400	TrafiSense AI	TrafiSense2	TrafiSense	TrafiOne	TrafiData	TrafiSense2 Dual	TrafiCam X-Stream
WiFi	yes	yes	yes	—	yes	yes	—	—
VSO	yes*	yes	yes	yes	yes	yes	yes	yes **
FLIR Events	yes*	yes	yes	yes	yes	yes	yes	yes **
Thermal Images	yes*	yes	yes	yes	yes	yes	yes	—
Visual Images	—	—	—	—	—	—	—	—
Signal Phase	yes	yes	yes	—	—	—	—	—
Detector Activation	yes	yes	yes	—	—	—	—	—
Cabinet Health	yes	—	—	—	—	—	—	—
Modem	yes	—	—	—	—	—	—	—
3rd Party VSO	yes*	—	—	—	—	—	—	—

* Requires additional hardware

** Requires Travel Time Module

[†] Included with TI BPL2 EDGE B&SIU Interface

Note: Require Wi-Fi detection capabilities

Specifications are subject to change without notice.
For the most up-to-date specs, go to www.teledyneflir.com

For more information contact: Sales@TeledyneFLIR.com
or to find your local support number, visit: flir.com/contactsupport

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