



THE CLOUD LAYER FOR ITS ACYCLICA platform

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.

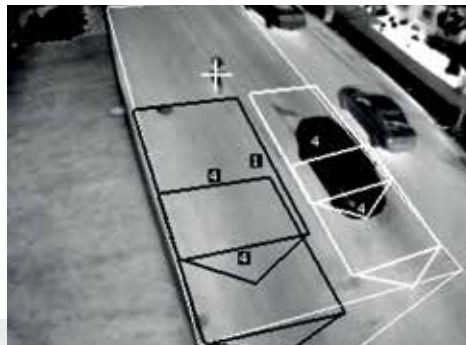
www.flir.com/Traffic



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



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		
Compatibility	FLIR ITS Sensors: with Wi-Fi detection capabilities: TrafiOne, ThermiCam2, TrafiSense2, TrafiSense2 Dual without Wi-Fi detection: ThermiCam, TrafiSense		
Product Number			
10-6402	ITS-IQ Tier 1 Annual License (historical & real-time data, images, APIs)		
10-6409	ITS-IQ Tier 1 Non-recurring License (historical & real-time data, images, APIs)		
10-6401	ITS-IQ Tier 2 Annual License (Advanced Wi-Fi travel & delay time, O/D)		
10-6408	ITS-IQ Tier 2 Non-recurring License (Advanced Wi-Fi travel & delay time, O/D)		
Functionality			
	Included	ITS-IQ Tier 1 License	ITS-IQ Tier 2 License
Map view	x	x	x
Image updates every 30 minutes	x	x	x
Image updates in real-time		x	x
Recent VSO data (last 7 days)	x	x	x
Historical VSO data		x	x
Data CSV Downloads		x	x
Remote Configuration	x	x	x
APIs		x	x
Real-time congestion map*		x	x
Advanced Wi-Fi travel & delay time*			x

ITS-IQ Included – included with compatible FLIR ITS sensors, this package of essential features provides access to a wealth of data collected by the sensors

ITS-IQ Tier 1 – providing access to historical data and APIs, this tier helps uncover additional insights and helps you send data exactly where you need it

ITS-IQ Tier 2 – unlocking new opportunities for data fusion and analysis, ITS-IQ Tier 2 provides access to the Wi-Fi travel time

Additional Modules

Signal Timing Tools – helping you understand the impact of timing changes, Signal Timing Tools provide a comprehensive analysis of signal timing performance

Intersection Performance – uncover a detailed view of individual intersection performance with analytics like Purdue Coordination Diagram, Arrivals on Red and Green, and pedestrian delay

Route Performance – taking a holistic approach to corridor analysis, the Route Performance module offers Vehicle Hours and Miles traveled

Reports – automated reports send the data you need straight to your inbox

* Note: Require Wi-Fi detection capabilities

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

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