

Miovision® Intersection Monitoring

Remotely manage intersections with real-time data and actionable insights

Keep people moving safely and efficiently with real-time alerts and insights so you can investigate and resolve problems quickly and effectively.

Miovision® Intersection Monitoring provides a combination of real-time telemetry and alerts as well as on-demand insights that give Traffic Operations teams the ability to immediately see what's happening, make informed decisions before going on-site, and dispatch the right technician with the right tools, at the right time.

Monitoring intersections has never been easier

Now you can remotely manage your traffic and communications infrastructure.

Real-time Alerts

Know exactly what's happening in your traffic network with real-time cabinet telemetry and infrastructure alerts. With configurable SMS and email notifications for power loss, signal in flash, UPS activity and more, you'll always know what is happening at your intersections.

Manage Resources

With logic and rules based on the type and severity of issues to help triage problems, you can keep everyone informed with the latest insights and make data-driven decisions to prioritize repairs and optimize resources.



Why Miovision?

Traffic teams rely on Miovision traffic management solutions because they provide:

Remote Access to Intersections

Remote access and monitoring lets you investigate issues quickly and reduce unnecessary truck rolls.

Peace of Mind

Remotely access your systems 24/7 to view data and see live video of your intersections performance.

Ease of Installation and Use

Fast, easy, non-invasive installation means you can deploy our solutions with minimal disruption to your intersections saving you time and money.

Remote Updates and Extensibility

Over-the-air updates from Miovision ensure your devices are always equipped with the latest features, fixes, and security updates.

Take advantage of the traffic industry's most cost-effective intersection monitoring and connectivity solutions. Contact us to find out how you can add Intersection Monitoring to your intersections, today.

Features

The Miovision Intersection Monitoring solution meets the needs of today's traffic teams with:

Smart infrastructure alerts	Instantly receive cabinet device alerts via email, text message, and on the TrafficLink web portal
Remote access to cabinet devices	Use a secure, cloud VPN connection to access third-party devices as if you were standing in front of the cabinet
Video streaming and recall	Leveraging your preferred method of remote connectivity* you can stream live video with virtual pan-tilt-zoom as well as access historical video data
Over-the-air device updates	Software updates are included – data charges do not apply

*The Intersection Monitoring software platform requires high-speed IP connectivity to the intersection.

For intersections without existing connectivity, Miovision offers a Managed LTE Connectivity solution that includes:

Instant connectivity	Remote access to traffic cabinet and data flow can be set up in under 20 minutes
Managed support and security	The dedicated Miovision team manages and monitors the smart infrastructure network to ensure that communications issues are resolved in minutes – not days
Pass-through communications and integrations	Connect more intersections to your existing central and video management systems by using the Miovision Network Integration device
Right-sized data plans	Choose from a range of data plans—1 GB/month, 2 GB/month, 4 GB/month, or custom—to suit each intersection's central management software (CMS) integration and video streaming needs
Local configuration and data access	Connect directly via Ethernet or existing fiber to perform local configuration and to access MQTT APIs, turning movement counts (vehicle, pedestrian, cyclist), and RTSP interface

Required Hardware

Miovision Intersection Monitoring is supported by the industry's most versatile and scalable traffic operations hardware platform.

Miovision Core®

Miovision Core® is the hardware platform that supports Miovision's in-cabinet communications, remote monitoring, traffic operations, and traffic management solutions. This easy-to-install, weather-proof device collects data from the existing controllers and devices, and provides convenient and secure connectivity to the cabinet.

See the Miovision Core Datasheet for product specifications.

Industry Certified

NEMA TS-2 Compliant
UL and cUL certified power source

Cabinet Ready

RS232, GPIO, Networked Ethernet

Secure

TPM with secure RSA key generation and management

Memory storage

Built-in 240GB solid state



Miovision Core

Miovision SmartView 360™

Designed for robust operation in all weather conditions, the Miovision SmartView 360™ camera provides a bird's-eye view of your intersections—delivering high-resolution video streams required by a range of traffic operations solutions.

See the Miovision SmartView 360 Datasheet for product specifications.

Sensor

4K, 9 megapixel, 360° fisheye lens

Angular Field of View

Horizontal: 182°, Vertical: 176°



SmartView 360

For more information, visit miovision.com/trafficlink, email us at hello@miovision.com, or call us NA Toll-free at 1-855-360-7752

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