Miovision Opticom™

Transit Signal Priority

Moving communities forward with reliable transit.

Public transportation delays can disrupt the lives of thousands of commuters. Keeping transit systems efficient and on-time takes more than scheduled routes—it requires reliable technology and a trusted partner like Miovision.

Opticom TSP connects public transportation vehicles to the intersection, giving them priority at signalized intersections to stay on time based on conditions like time of day, direction of travel, passenger load, lateness, and more.

Optimize transit routes
Access near-time and historical transit analytics in seconds.

Futureproof your infrastructure
No need to upgrade all at once, easily upgrade your legacy systems in phases at your own pace.

More deployment options to choose from
Transition directly to cloud or use a combination of optical, radio/GPS, or cloud-connected systems.

More than just a TSP solution
An investment in Miovision can deliver crucial traffic data to DOTs, traffic planners, traffic engineers and public safety agencies to help solve traffic troubles in your city.

When agencies want priority, they ask for Opticom

Relative Priority
Rank priority based on vehicle class to manage simultaneous vehicle approaches to intersections

Conditional Priority
Rank priority requests made based on the time of day, the direction of travel, passenger load, lateness, etc.

40% *
Reduction in
Transit Delays

19% *
Reduction in
Emissions

200k+ *
Connected
Intersections

*Data on file.

MIOVISION

Upgrade with Ease

We offer distributed, hybrid, and cloud deployments. Your cities' system needs and preferences determine intersection and vehicle hardware requirements.

Miovision Opticom Integration Network

We want to make it easier for you to deploy your Opticom system through third–party integrations, minimizing the need for additional hardware. Deployment can happen in weeks, not months, helping you focus on keeping your communities safer.

RT–GTFS	CAD/AVL
ATMS	**NTCIP**

Opticom Solution for Transit

Intersection Hardware *(as required)*	
Legacy infrared and GPS/radio	Opticom infrared detectors, Opticom 3100/3101 intersection radios are compatible with an Opticom 764 phase selector.
Miovision Core	Miovision Core® is an open, secure ITS hardware platform that provides wireless connectivity and communications so you can manage your traffic cabinets from anywhere. Discrete, SDLC, and NTCIP supported. Works with Opticom 764 to connect legacy systems to the cloud.
Vehicle Hardware *(as required)*	
Legacy GPS/radio	Opticom 2100/2101 vehicles are compatible to connect with a modem to support cloud–connectivity while maintaining backward compatibility
Integrated Applications and Modems	CAD/AVL and GTFS–RT 5 sec poll rate, Swiftly Real Time API integrated applications provide cloud connectivity through a certified modem, with little to no additional field hardware required.
Customer Portal & Analytics Dashboard	
Miovision One	**With purchase of application only:** Access to the Opticom application within the Miovision One customer portal. **With purchase of application & Miovision Core:** Access to the Opticom application within the Miovision One customer portal, plus: **Intersection Monitoring:** Real time intersection telemetry, real time intersection alerts, access to live and recalled video. **ATSPM Workspace:** Signal Performance Metrics, including Approach Volumes, Approach Delay, Arrivals on Green/Red, Occupancy Ratio, Pedestrian Delay, Phase Interval, Purdue Coordination Diagram, Split Failures and Split Trends (depending on the detection inputs available at the intersection.)
Reporting and Analytics	
System Monitoring	View system performance to ensure things are running smoothly.
Vehicle & Intersection Analytics	View vehicle movement details to understand where your busiest routes are – BETA
Managed Services	
Deployment	Full service system deployment, commissioning, and project management

For more information, visit **help.miovision.com**,
email us at **support@miovision.com**, or call us NA Toll–free at **1–855–360–7752**

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