

Miovision TrafficLink Detection

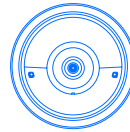
TrafficLink Detection provides:

Detection

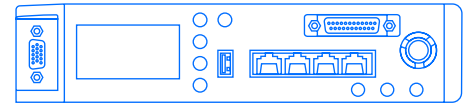
- Presence detection
- Pulse detection
- Multimodal detection
- Queue length

Advanced features

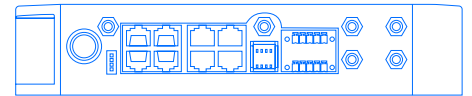
- Continuous Counts
- Traffic classification
- ATSPMs
- Safety metrics
- Event detection
- Simple configuration wizard
- Open data APIs



Miovision SmartView 360



Miovision SmartSense



Miovision SmartLink

Detection

Applications	
Stopbar actuation	Call for service to controller
Stopbar or upstream actuation	Green extension, dilemma zone trigger
Detection on all major and minor movements	Generates inputs for Automated Traffic Signal Performance Measures (ATSPMs)
Queue estimation	Count of vehicles waiting on an approach
Vehicle counts	Approach-based binned vehicle count data
Actuation	Green extension, input to adaptive systems
Blockage	Stopped vehicle in intersection
Detection zones	
Total supported zones	100
Channels of actuation	
SDLC	64
NEMA ABC	8 (with Miovision NEMA Interface Device)
GPIO header block	16 x I/O pins for actuation (fail active)

Continuous Counts

Vehicle classifications	
Pedestrians	
Bicycles	
Lights vehicles	
Single-Unit Truck	
Articulated Truck	
Bus	
Study types	
TMC	24/7 Turning Movement Counts
Travel Time	Point-to-Point Travel Time
Advanced data generation	
ATSPMs	Automated Traffic Signal Performance Measures
Pedestrian	Density reports and count data

SmartSense hardware

Dimensions	
Miovision SmartSense	246mm x 266mm x 58.4mm
Operating requirements	
Operating temp	-34°C to 74°C -29°F to 165°F
Humidity	5% – 95% RH non-condensing
Display	
Display	128 x 64 OLED display
Control	5 button
Processor	Dual GPU plus 12 computing cores
I/O	
Ports	4 x Ethernet RJ45 (2 x available with PoE)
SDLC	SDLC port for detector actuation
GPIO header block	16 x I/O pins for actuation (fail active) 8 x I/O pins for actuation / pre-emption (fail passive)
USB	1 x USB 2.0 port

SmartView 360 camera hardware

SmartView 360 camera	
Sensor	4K, 9 megapixel, 360 fisheye lens
Angular field of view	Horizontal: 182°, Vertical: 176°
Voltage	PoE
Video streaming (with SmartView 360 camera)	
Format	H. 264 natively, download as H. 264, stream as MPEG1
Resolution	512x512
Frame rate	15fps