

# MultiSens Intersection



Video AI  
at the  
intersection



Wireless sensors  
for advance /  
midblock

**See your intersections and  
beyond like never before.**

MultiSens Intersection fuses video AI and wireless sensors into a single, unified system. This is a practical evolution in traffic detection that delivers seamless signal actuation, comprehensive traffic analysis, and unprecedented accuracy by combining the strengths of two proven technologies.



## **Intersection: Video AI with deep learning**

- **Comprehensive scene analysis** of all approach lanes with an algorithm built on years of video processing and deep learning expertise.
- **Differentiate between vehicles and vulnerable road users** for smarter, more responsive signal phasing and enhanced safety.
- **Add traffic data analytics** with actionable insights for planning and traffic signal optimization.
- Extend the system to **automatically detect and alert operators about incidents** such as wrong-way drivers or stalled vehicles.



## **Advance / Midblock: Wireless in-road sensors**

- **Precise lane-specific detection** of all approaching traffic beyond the sight of cameras or radar installed at the intersection.
- **Immune to weather, lighting conditions, occlusion**, and other line-of-sight limitations such as trees or curves in the road.
- **Installs in just minutes per sensor** without trenching - ideal for locations lacking power or comms.
- **Provides road temperature** for valuable winter maintenance data.



Contact us to join the **FREE** trial waitlist:  
<https://sensysnetworks.com/truesensorfusion>



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# MultiSens Intersection

True sensor fusion for multimodal traffic detection in a single system.

## Premium Accuracy

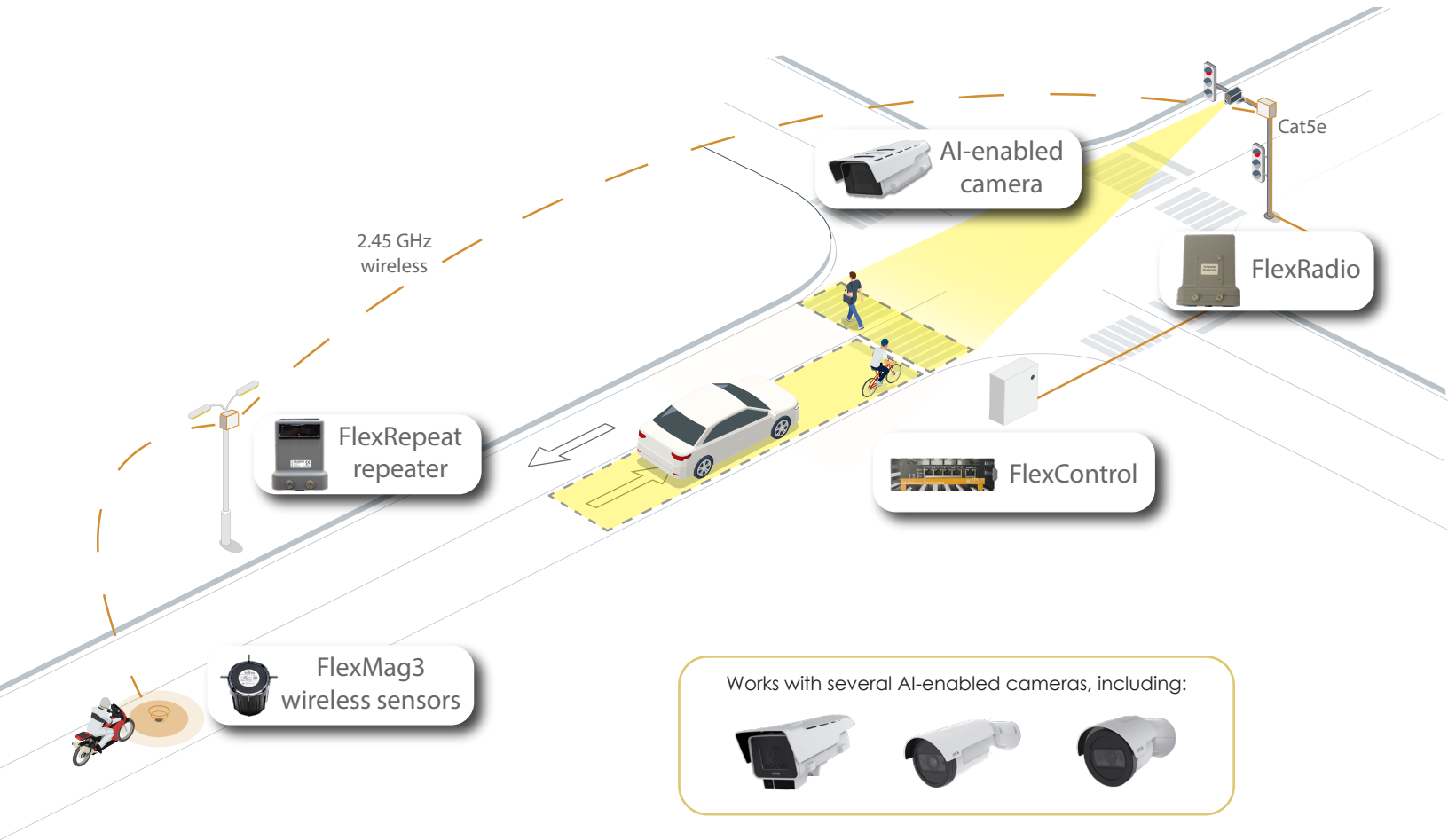
See all vehicles and VRUs - no blind spots. Multi-sensor fusion delivers superior accuracy across every lane.

## Unmatched Flexibility

Detect traffic where others can't. Wireless sensors work without trenching, power, or line-of-sight.

## Unified Control

Not just two systems. One platform, one interface, real-time detection from all sources together.



### Unified Software Platform

Manage all detection and traffic data from a single platform, simplifying setup, diagnostics, and ongoing management.

### Edge Processing

Reduced latency and bandwidth demands through edge processing directly on AI-enabled cameras.

### Scalable Architecture

Start with basic detection, expand to advanced analytics, incident detection, and adaptive control.

### Power Over Ethernet

Simplified installation with both power and data transmission through PoE cables to pole-mounted radios and cameras.



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