

FusionBLADE®

INTRUSION DETECTION SYSTEM



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The FusionBLADE® is an HD3D radar and AI enabled HD video fusion sensor wrapped in a compact, weather-resistant enclosure for Trailer and Truck-Mounted Attenuator (TMA) applications. Mounted directly onto a TMA, FusionBLADE® monitors approaching traffic using AI-enabled HD video and HD3D radar analytics. The system evaluates vehicle speed, trajectory, lane position, and potential collision risk in real time, providing added awareness in work zones.*

The Relay & Power Enclosure provides power and local closure for the FusionBLADE® sensor. Rather than relying on separate cameras, DVRs, speed detection systems, and event recording equipment, agencies and contractors can deploy a single integrated solution to their existing TMA platforms.

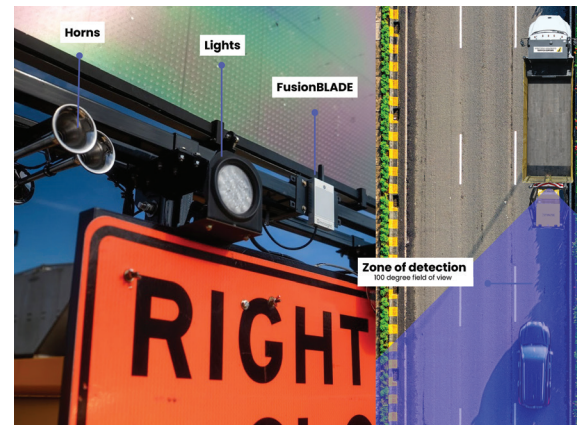


FEATURES

- Intrusion and collision-risk detection
- AI-enabled HD video analytics
- HD3D radar detection and tracking
- Speed monitoring
- Automated video event capture
- Near-miss reporting and safety analytics

APPLICATIONS

- Trailer and Truck Mounted Attenuators
- Work Zones
- Emergency Vehicles
- Wrong-way Detection
- Queue Detection



SPECIFICATIONS

FusionBLADE®

- **Power:** PoE 802.3at/bt, 30W max
- **Sensors:** HD3D Radar
1080p HD Camera
- **Comms:** 100BaseT Ethernet
4G/5G LTE Cellular (FUSE-SIM only)
- **Connections:** RJ-45 PoE
- **Warranty:** 1-Year
- **Mounting:** 75mm x 75mm VESA
- **Environmental:** IP66, NEMA4 Compliant,
-22 °F to 167 °F (-30C to 75C)
- **Case:** Anodized Aluminum
- **Weight:** 1.72 lbs. (780g)
- **Dimensions:** 4 x 5.85 x 1 inches WxHxD
(102 x 149 x 26 mm)

Relay & Power Enclosure

- **Input Power:** 12V
- **Output Power:** PoE+ (48v)
- **Comms:** 100BaseT Ethernet
- **Connections:** RJ-45
- **Warranty:** 1-Year
- **Mounting:** 4 threaded brass inserts
- **Environmental:** IP67/IP68, NEMA 6/6P
Compliant, -40 °F to 230 °F (-40C to 110C)
- **Case:** Polycarbonate Resin (Flame Retardant
& UV Stabilized)
- **Weight:** 4.5 lbs (2 kg)
- **Case Dimensions:** 6.4 x 6.4 x 5.2 inches
WxHxD (163 x 163 x 133 mm)



Scan for More Info

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