



## VAI-100

# *Pedestrian Warning System*

### AI-enabled camera pedestrian and vehicle warning system.

Collisions caused by handling equipment, such as forklifts and lift trucks, are the second most common cause of freight damage and inventory loss. The VAI-100 Pedestrian and Vehicle Warning System is an advanced artificial intelligence (AI) camera solution designed to help prevent accidents and avoid damage for industrial vehicles such as forklifts. Material handling operators are expected to balance being highly productive while maintaining a safe working environment. This AI camera solution notifies operators of potential hazards and imminent danger and help maintain a culture of safety at the worksite.

Two fully configurable field-of-view zones (red or yellow) for each camera warn of objects or people approaching hazardous areas and reduce nuisance trips around machines. Identifying potential risks without reliance on special apparel or wearable tags makes this solution universal and more reliable. This safety system can be used by drivers and pedestrians to avoid health and safety issues and by management to coach best practices with quantifiable analytics.

#### FEATURES

NO TAGS/APPAREL FOR  
RECOGNITION



IMAGE CAPTURE OF  
EVENTS



- Automatically detects objects of interest (people, other industrial vehicles, stop signs, etc.)
- Dual area option provides advanced warning and critical action based on proximity to the vehicle
- Activation based on direction of travel to avoid false positives
- Visual and audible driver notification of risk
- Integration with telematics solutions for vehicle control, mapping and analysis of events
- 120° field of view for up to 3 cameras
- Dust and tamper-resistant lens cover
- Wireless connectivity
- Facial blurring to ensure privacy

## PROBLEMS SOLVED

### **COLLISION AVOIDANCE:**

Warn drivers of collision risks before an incident occurs

### **FALSE CLAIMS AND ACCUSATIONS:**

Image capture of events if warnings are ignored

### **ENHANCED TRAINING:**

Event recordings for driver coaching on high-risk behavior and locations

### **SAFETY AND ACCOUNTABILITY:**

Reinforces safe operations and provides evidence of incident accountability



## Creating a Culture of Safety

The VAI-100 Pedestrian and Vehicle Warning System leverages the latest AI to identify objects to help enable operators to safely maneuver their vehicles in busy material handling environments. The VAI-100 identifies, takes photos, and alerts operators of critical events such as zone breaches to take swift corrective actions. The system provides front and back visibility to identify pedestrians, other vehicles and objects that are in the direction of the forklift's driving path going forward or in reverse.

The VAI-100 can operate as an independent warning system or connect with PowerFleet's industrial telemetry system to provide reporting to cloud-based software, VisionPro for further reporting and analysis capabilities at the management level. In VisionPro, users can view:

- Trend analysis for driver coaching
- Reports of event details and trends
- Correlation between area breaches and subsequent impacts
- Map view of events by location (real-time and historical)