

# OmniPro<sup>®</sup> Vision AI

COLLISION AVOIDANCE SYSTEM



When a one-second error can mean the difference between a near miss and a serious injury or fatality, you need the most advanced collision avoidance system working for your team. OmniPro<sup>®</sup> Vision AI's award-winning technology helps reduce mining operation incidents with powerful features.

## Accurate, high-speed detection of people and equipment

- Each camera can generate up to five fully customizable alert zones
- Identifies and alerts on specified hazards, such as pedestrians, equipment and key objects – no tags required
- Identifies people in multiple positions and wearing PPE
- Reporting System with time-stamped photos
- Minimal nuisance alerts

OmniPro “sees” people in the operator’s blind spots

Triggers audible & visual alerts  
No tags required

Customized alert zones for the unique requirements of your operation

## Which Safety Challenges Apply to Your Operation?

These are the most common reasons we get inquiries about OmniPro Vision AI

- Equipment Operator Blind Spots
- Pinched or Narrow Travel Corridors
- Restricted View Corners
- High Traffic Zones
- Complacent Operators
- Vendors or Guest Vehicles on Job Site
- New & Inexperienced Workers
- Fatigued Workers, Especially End-of-Shift Workers Who Need an Extra Set of Eyes
- Experienced a Pedestrian-Involved Incident
- Experienced a Serious Injury or Fatality



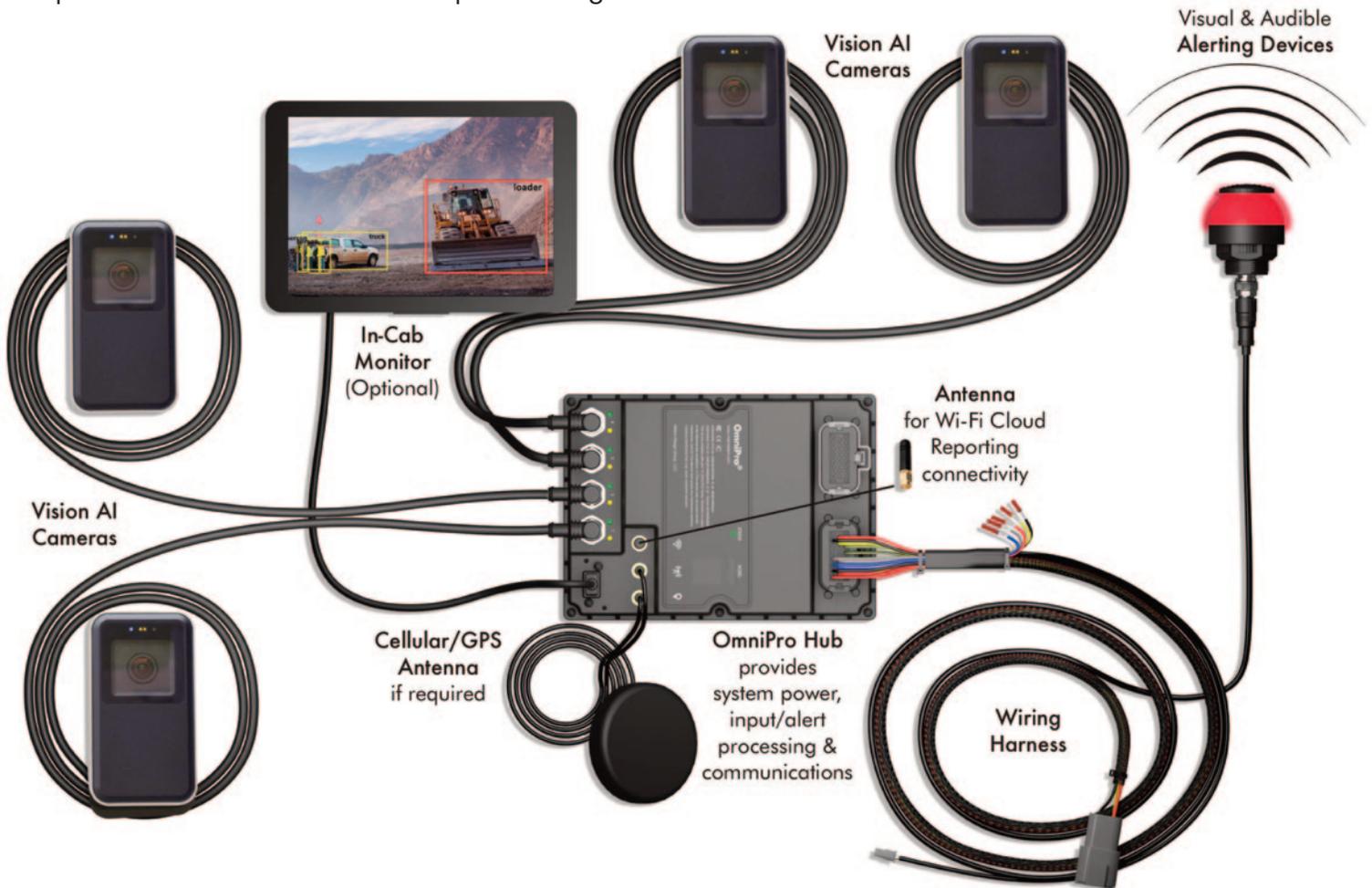
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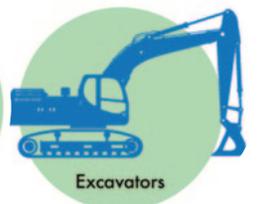
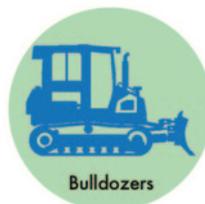


## OmniPro Vision AI Hardware Package for All Mobile Equipment

Up to 4 cameras for 360° blind-spot coverage



**OmniPro Is Easy to  
Install and Operate  
on Any Size or  
Type of Mobile  
Equipment**



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### Features & Benefits



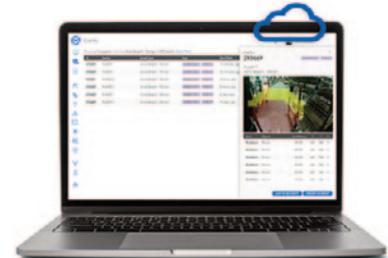
#### Vision AI Camera

- Compact and water/weather resistant – IP67-rated
- Alert zones that can apply to different objects and perform various actions
- Time of Flight (ToF) sensor reports if a camera is blocked or obstructed
- Ambient light sensor detects if the vehicle is in low-light conditions or if it transitions from light to darkness
- Infrared (IR) Cut Filter for low-light support
- Gorilla<sup>®</sup> Glass lens cover



#### OmniPro Hub

- Designed to minimize false positives and nuisance alerts
- Can identify pedestrians in any posture, including standing sideways, crouching, kneeling and partial view, as well as people wearing PPE
- Cameras auto-switch to monitor the direction of travel
- Simple plug-and-play set-up and troubleshooting
- Built-in web UI interface eliminates the need for software on local laptops/PCs and provides a single configuration point of all connected devices
- Easily integrates with most OEMs
- Low maintenance with wireless future upgrades
- Advanced system architecture accommodates future sensors and devices
- Operates up to four cameras
- Visual and audible alerts
- Mobile or fixed cameras: intersection control, safety doors, pedestrian access
- Rugged design – IP67-rated
- Multiple I/O connections – five digital inputs and five relay outputs
- Wide operating voltage of 12-48 VDC



#### Reporting System

- OmniPro Vision AI's desktop reporting provides authorized users with 24/7 access to software tools and a dashboard with real-time metrics and analytics.
- Records and stores zone breach incidents with photo and time-stamp
  - Pre-event and post-event image capture capabilities
  - Provides real-time, full-data capture with analysis: average daily breaches per machine; trending breaches over time; event graphs
  - Facial blurring (optional)
  - Data can be accessed on the system locally for up to 30 days. Additionally, data accessed over Wi-Fi or remote through the cellular cloud 24/7/365 can be reviewed for an extended period of time.

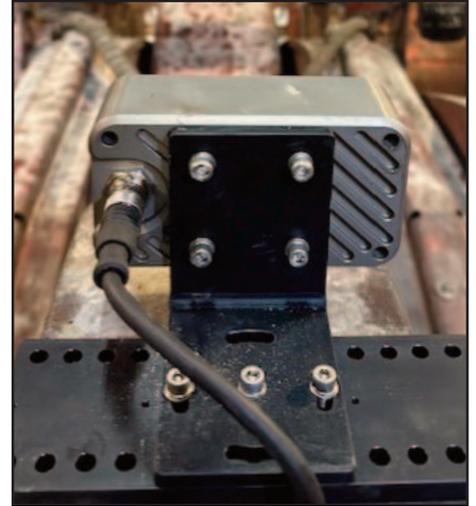


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**Matrix can work  
with you to create  
a system that's  
tailored to your  
operation's  
unique safety  
requirements**



**Help make your operation safer!**

**Learn more or schedule a demonstration**

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