

## **OmniPro**<sup>®</sup>

VAI-Based Pedestrian Alerting System for **Intersection Control** 



- Automatically detects people in a designated, programmed area
- Can activate visual and/or audio alerts, or activate barriers
- Alerts mobile operators when pedestrians are present in a designated area ahead of their travel path

OmniPro® is a camera safety system that uses Visual Artificial Intelligence (VAI) to detect people. When people are detected, the system can auto-activate warning lights or other alerts that makes mobile equipment operators aware of their presence.

At high-traffic warehouse intersections, where mobile equipment and people are crossing common aisles, OmniPro's Intersection Control System can help reduce potential accidents.

Each camera has up to a 120° field-of-view and can also be taught to recognize and alert for other objects or symbols. The area to be monitored can be programmed to help avoid nuisance alerts.

www.matrixteam.com



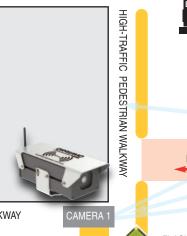
## **OmniPro**<sup>®</sup>

## VAI-Based Pedestrian Alerting System for **Intersection Control**

## Factory / Warehouse Intersection Example

Two OmniPro cameras are set up to cross-monitor high-traffic pedestrian walkways that require people to walk in a high-volume forklift aisle. Cameras are set up to monitor a specific area.

- Camera 1 activates Flashing Alert Sign 1
- Camera 2 activates Flashing Alert Sign 2



IGH-TRAFFIC PEDESTRIAN WALKWAY

MOBILE EQUIPMENT

FLASHING ALERT SIGN 1

HIGH-DANGER CROSSING ZONE

MAIN FACTORY FLOOR OFFICE

HIGH-TRAFFIC PEDESTRIAN WALKWAY

HIGH-TRAFFIC PEDESTRIAN WALKWAY





High-mounted OmniPro camera-activated 2-way flashing signs **visually alert** operators coming from either direction that people may be entering their travel path.

FCC ID: MCQ-S2CTH, FCC ID: 2ABCB-R914B, FCC ID: 2ADUTLGPAU06
CONTAINS: IC: 1846A-S2CTH, IC: 20953-RP148
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This Class A/B digital apparatus complies with Canadian ICES-003

OmniPro® is a registered trademark of Matrix Design Group, LLC





- Each OmniPro camera has a 120° field-of-view. They can be programmed to monitor for people in a specific area or a full view zone.
- Utilizes 2.4-802.15.24
   Zigbee for single or mesh send and receive



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