

THE NEXT GENERATION **PEDESTRIAN DETECTION AID**

VISIONTM
PLUS

POWERED BY **MOBILEYE**

SENSOR-LESS, TAG-LESS TECHNOLOGY



SENSOR-LESS, TAG-LESS TECHNOLOGY

Tracks multiple pedestrians at the same time and requires
No Device or Tag to be worn by the pedestrian.

State-of-the-Art Technology:

Ergonomic display of information both audibly and visually, industrial grade camera enclosures and hardware, and state of the art sensor-less, tag-less technology combine to provide a pedestrian detection aid that will add to the operator's practice of clearing the area with direct vision.



Multi-Camera Coverage
Up To 360°



5-Zone Displays
(Vision Plus™ Integrated Display Shown)



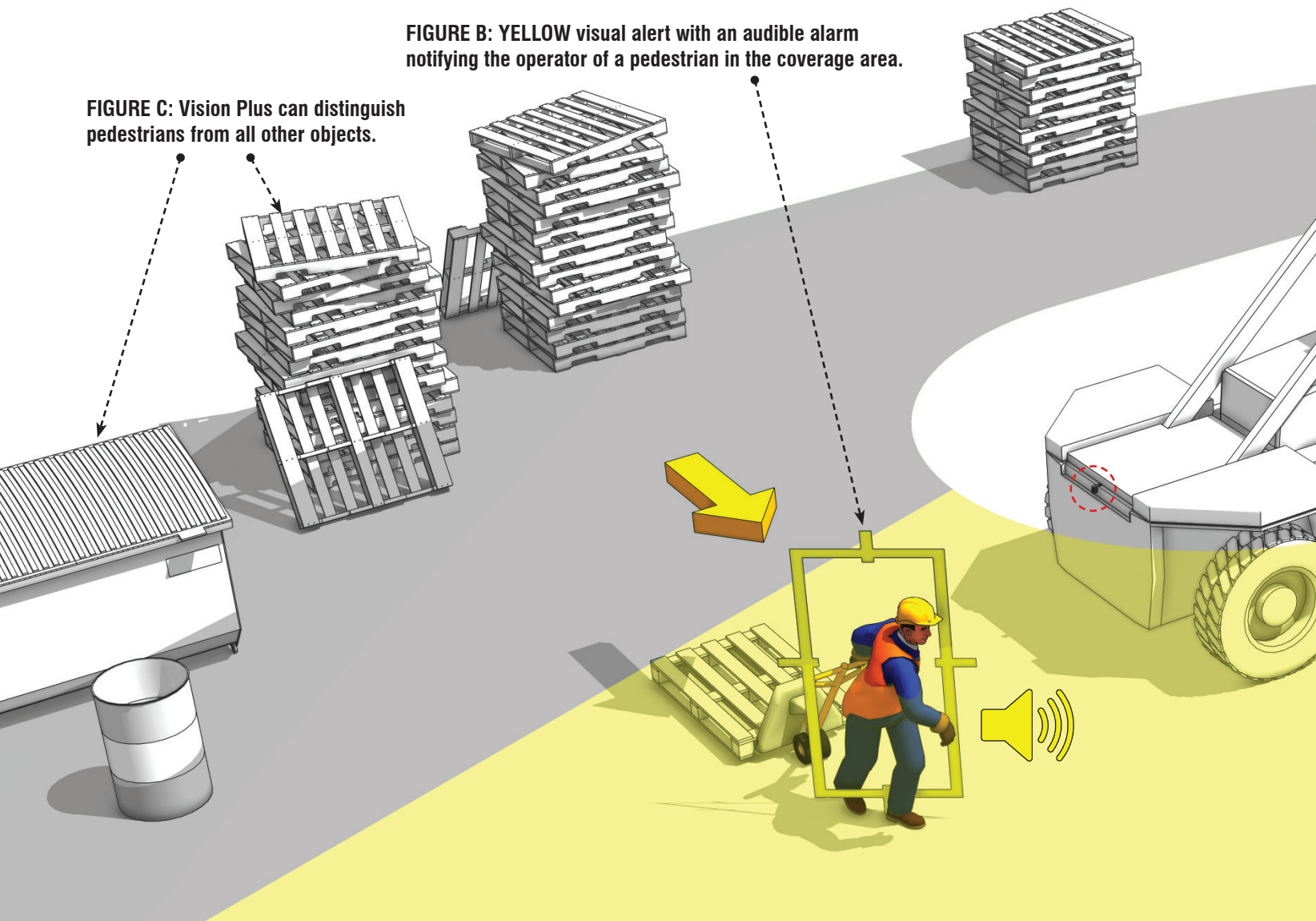
Industrial Grade Components
Weather Sealed For Long Life

Real-Time Information:

Vision Plus™ provides the operator of mobile equipment with real-time information concerning the location and tracking of pedestrians in the operating area around the equipped vehicle. Mobileye's unique artificial vision technology enables the Vision Plus™ system to ignore non-pedestrian obstacles, which significantly reduces the number of alarms to the operator. This functionality, unique to the Vision Plus™ system, ensures that only the most important information and alert are provided to the operator.

FIGURE B: YELLOW visual alert with an audible alarm notifying the operator of a pedestrian in the coverage area.

FIGURE C: Vision Plus can distinguish pedestrians from all other objects.



Mobile industrial equipment often requires operation in the same areas as pedestrians. Vision Plus™ can aid the operator of the equipment in the important task of knowing the location and path of pedestrians near the operating equipment at all times while remaining productive and accomplishing their job safely without the need for pedestrian tags or devices.

How The Vision Plus™ System Works:

1. As pedestrians enter into the coverage area, an audible and visual alarm is provided to the operator.
2. Next, Vision Plus™ begins to track the pedestrians and predict their paths.
3. Vehicle and pedestrian tracking are combined to determine potential collisions. If a collision is predicted, alarm intensity increases and a Red In-Path alert is issued notifying the operator of this crucial information. (See FIGURE A)
4. Vision Plus™ continues to monitor pedestrians and their paths until the pedestrians are no longer within the coverage area. (See FIGURE B)
5. A warning system which combines vehicle speed, vehicle direction, and pedestrian location aims to reduce the number of alerts to the operator making the alerts more effective.
6. The Vision Plus™ system can distinguish pedestrians from all other objects, track the movement of pedestrians and give this functionality without the need for tags or transmitters to be worn by the pedestrians. (See FIGURE C)



The Vision Plus System combines vehicle speed, vehicle direction and pedestrian location to reduce the number of alerts to the operator, making the warnings more effective.

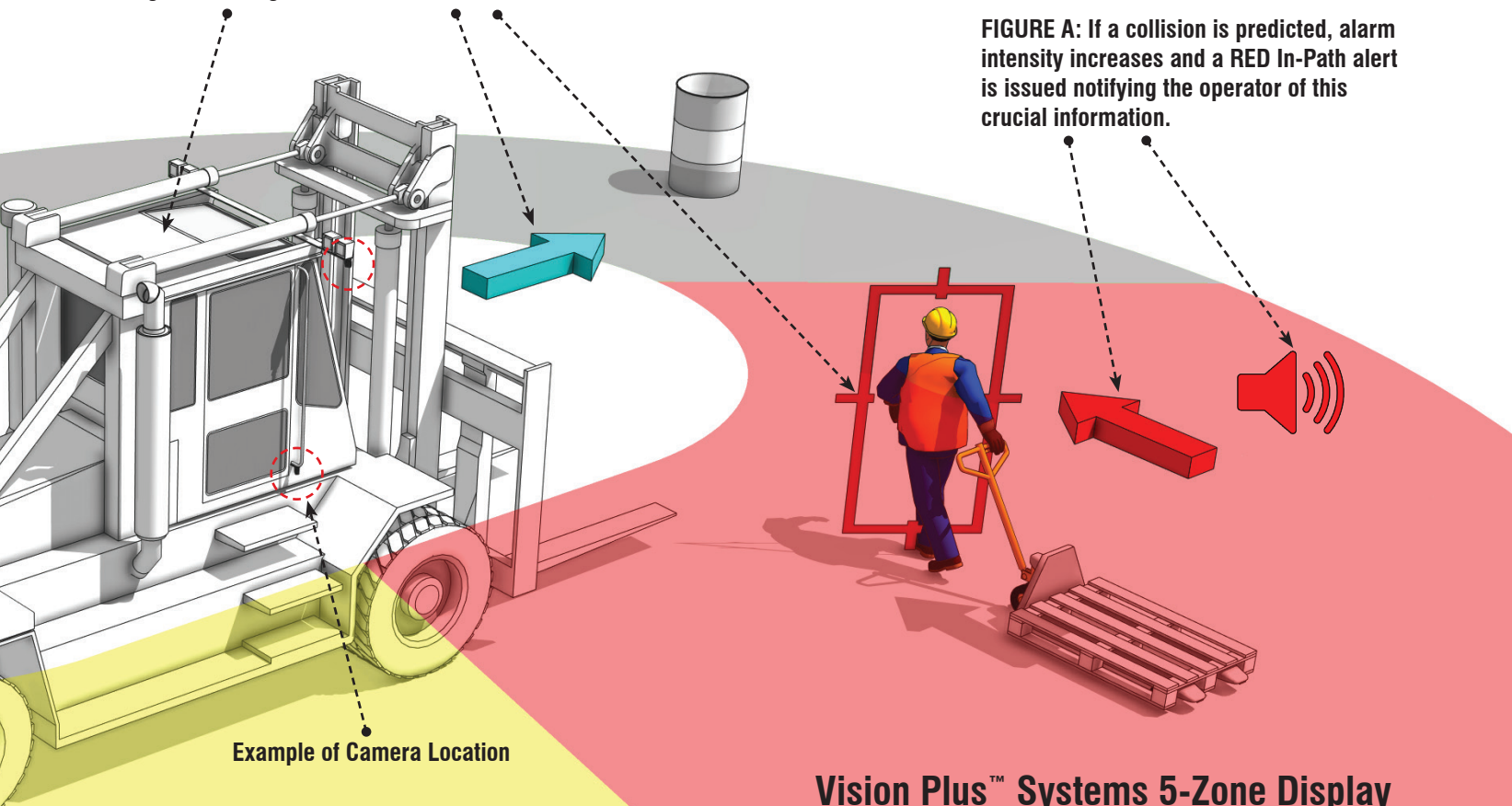


FIGURE A: If a collision is predicted, alarm intensity increases and a RED In-Path alert is issued notifying the operator of this crucial information.

Vision Plus™ Systems 5-Zone Display

Each zone consists of one of the following alerts:

Non-Alert

YELLOW: Pedestrian Present Alert

RED: Pedestrian In-Path Alert

Contact your local distributor for more information or visit us at www.visionplussafety.com



Vision Plus™ Standalone



Vision Plus™ Integrated
(only available on Taylor X-Series Trucks with MD4)

CHOOSE YOUR COVERAGE AREA

Vision Plus can be installed on virtually any type of off-highway mobile equipment. Different types of equipment operate in various applications and have unique requirements. Your application and equipment use is specific to your needs. Use the chart below to help in making your coverage area decision.

COVERAGE AREAS



	Sample Equipment:	Rear	Extended	Maximum
	Articulating Chassis +			
	Loaders	✓	✓	
	Tractors	✓	✓	
	Forklifts	✓	✓	
	Compactors	✓	✓	
	Rear Axle Steering ++			
	Forklifts	✓	✓	✓
	Tele-Handlers	✓	✓	✓
	Intermodal Handlers	✓	✓	✓
	Front Axle Steering ++			
	Tow Trucks	✓	✓	✓
	Mobile Cranes	✓	✓	✓
	Concrete Mixers	✓	✓	✓
	Agricultural Tractors	✓	✓	✓
	Tracked Vehicles +++			
	Excavators	✓	✓	✓
	Bulldozers	✓	✓	✓
	Skid Steer Loaders	✓	✓	✓

+ All Vision Plus cameras must be mounted such that there is no relative movement between any of the cameras. When cameras are mounted on the rear portion of an articulated chassis, no cameras can be mounted on the front portion.

++ Vehicles with large implements or attachments may preclude coverage due to blockage of camera view.

+++ Vehicles with large front end implements or attachments may preclude coverage due to blockage of camera view.

Can't find a system to fit your application?

Vision Plus™ offers a customizable solution to meet your unique requirements. Options for specialty applications include custom coverage area, data logging, on board maintenance tools, and custom engineering. Your Certified Vision Plus™ dealer can discuss your specialty application. (Engineering fees may be required.)

