

THE NEXT GENERATION PEDESTRIAN DETECTION AID



# VISION<sup>TM</sup> PLUS

POWERED BY **MOBILEYE**

SENSOR-LESS, TAG-LESS TECHNOLOGY

# VISION<sup>™</sup> PLUS

POWERED BY MOBILEYE<sup>®</sup>

**SENSOR-LESS, TAG-LESS TECHNOLOGY**  
Tracks multiple pedestrians at the same time and requires  
**No Device or Tag to be worn by the pedestrian.**

Applications which require the use of mobile industrial equipment often require operation in the same areas as pedestrians. The operator of the equipment must know the location of pedestrians at all times while remaining productive and accomplishing their job. Vision Plus<sup>™</sup> can aid an operator in this most important task without the need for tags or devices on the pedestrians.

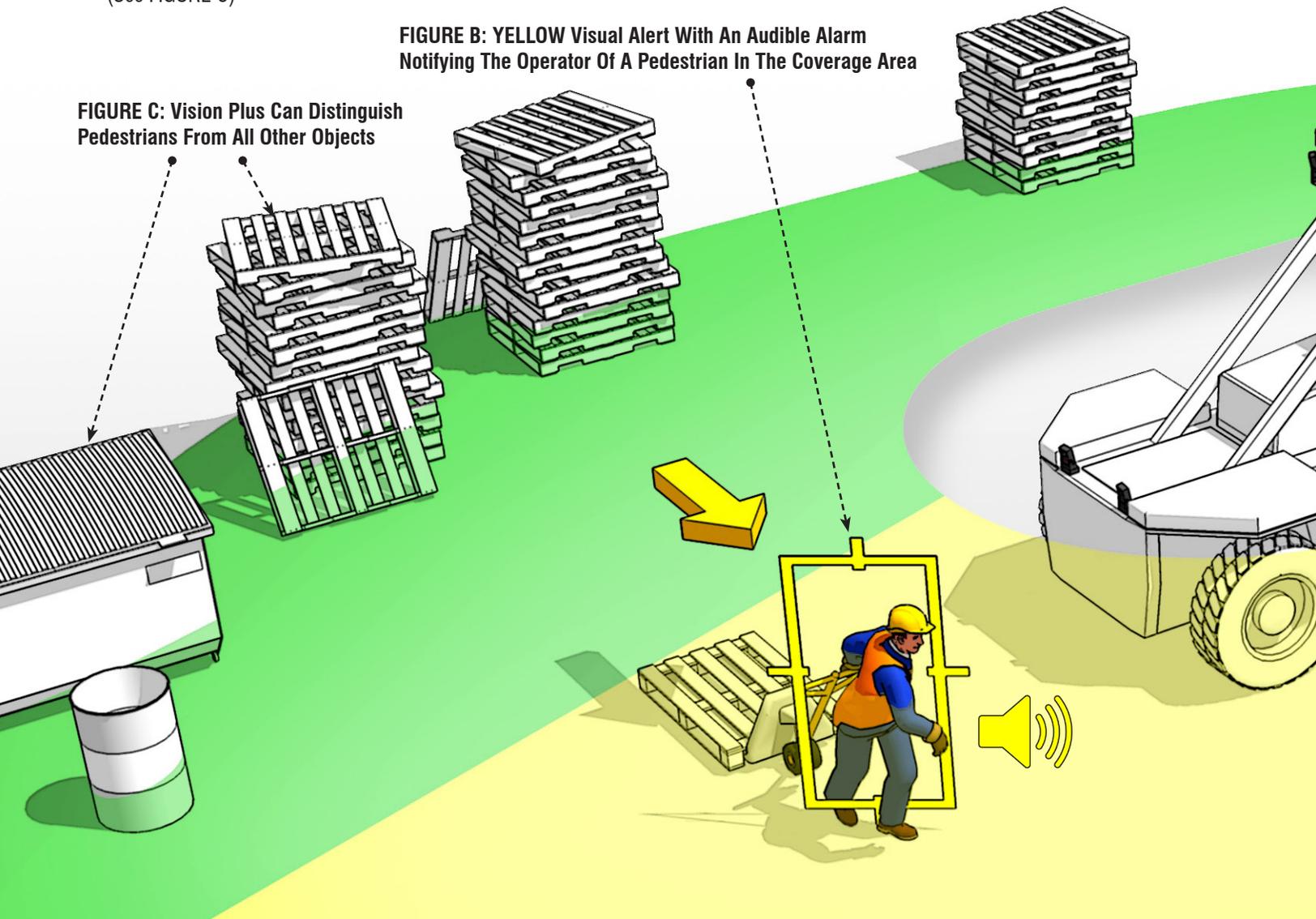
## How The Vision Plus<sup>™</sup> System Works:

1. As pedestrians enter into the coverage area, an audible and visual alarm is provided to the operator.
2. Next, Vision Plus<sup>™</sup> 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<sup>™</sup> continues to monitor pedestrians and their paths until the pedestrians are no longer within the coverage area. (See FIGURE B)
5. An internal 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<sup>™</sup> 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)



**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



## 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 significantly reducing the number of alarms to the operator and to bystanders. This functionality, unique to the Vision Plus™ system, ensures that only the most important information is provided to the operator.

## 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°

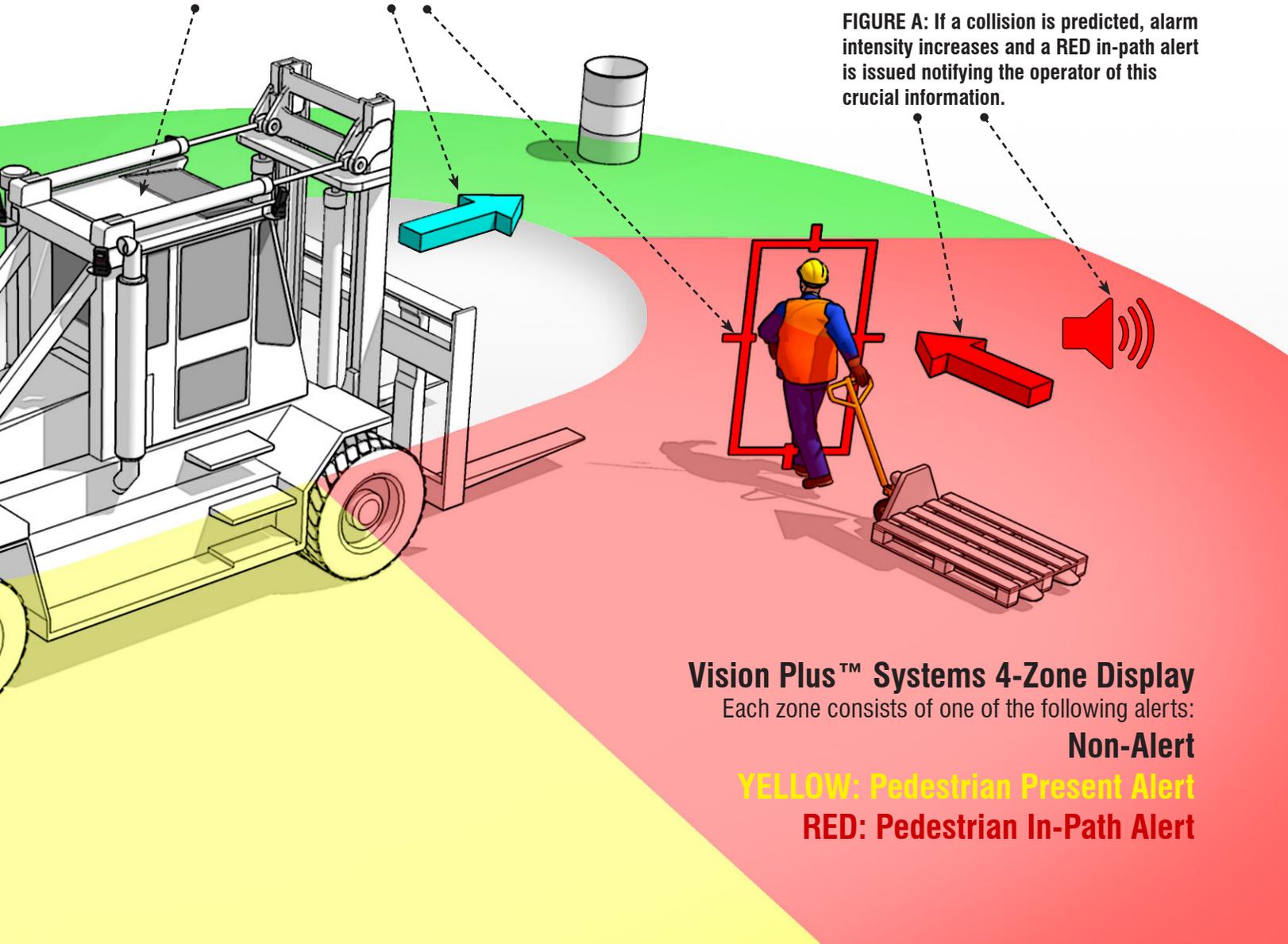


**4-Zone Displays**  
(Vision Plus™ Integrated Display Shown)



**Industrial Grade Components**  
Weather Sealed For Long Life

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.



## Vision Plus™ Systems 4-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](http://www.visionplussafety.com)

# VISION PLUS™

POWERED BY MOBILEYE®



Vision Plus™



Vision Plus™ Pro (MD3)



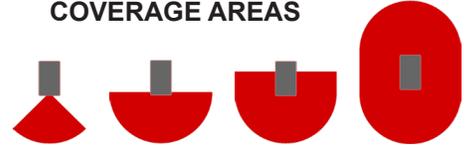
Vision Plus™ Integrated

(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 90°	Rear 180°	Extended 180°	Maximum (up to 360°)
<b>Articulating Chassis +</b>				
Loaders	✓	✓	✓	
Tractors	✓	✓	✓	
Forklifts	✓	✓	✓	
Compactors	✓	✓	✓	
<b>Rear Axle Steering ++</b>				
Forklifts		✓	✓	✓
Tele-Handlers		✓	✓	✓
Intermodal Handlers		✓	✓	✓
<b>Front Axle Steering +++</b>				
Tow Trucks	✓	✓	✓	✓
Mobile Cranes	✓	✓	✓	✓
Concrete Mixers	✓	✓	✓	✓
Agricultural Tractors	✓	✓	✓	✓
<b>Tracked Vehicles ++++</b>				
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.  
 ++ Rear axle steer vehicles are highly maneuverable. Minimum 180° coverage is recommended except on very small vehicles.  
 +++ 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 with you your specialty application.

(Engineering fees may be required.)

