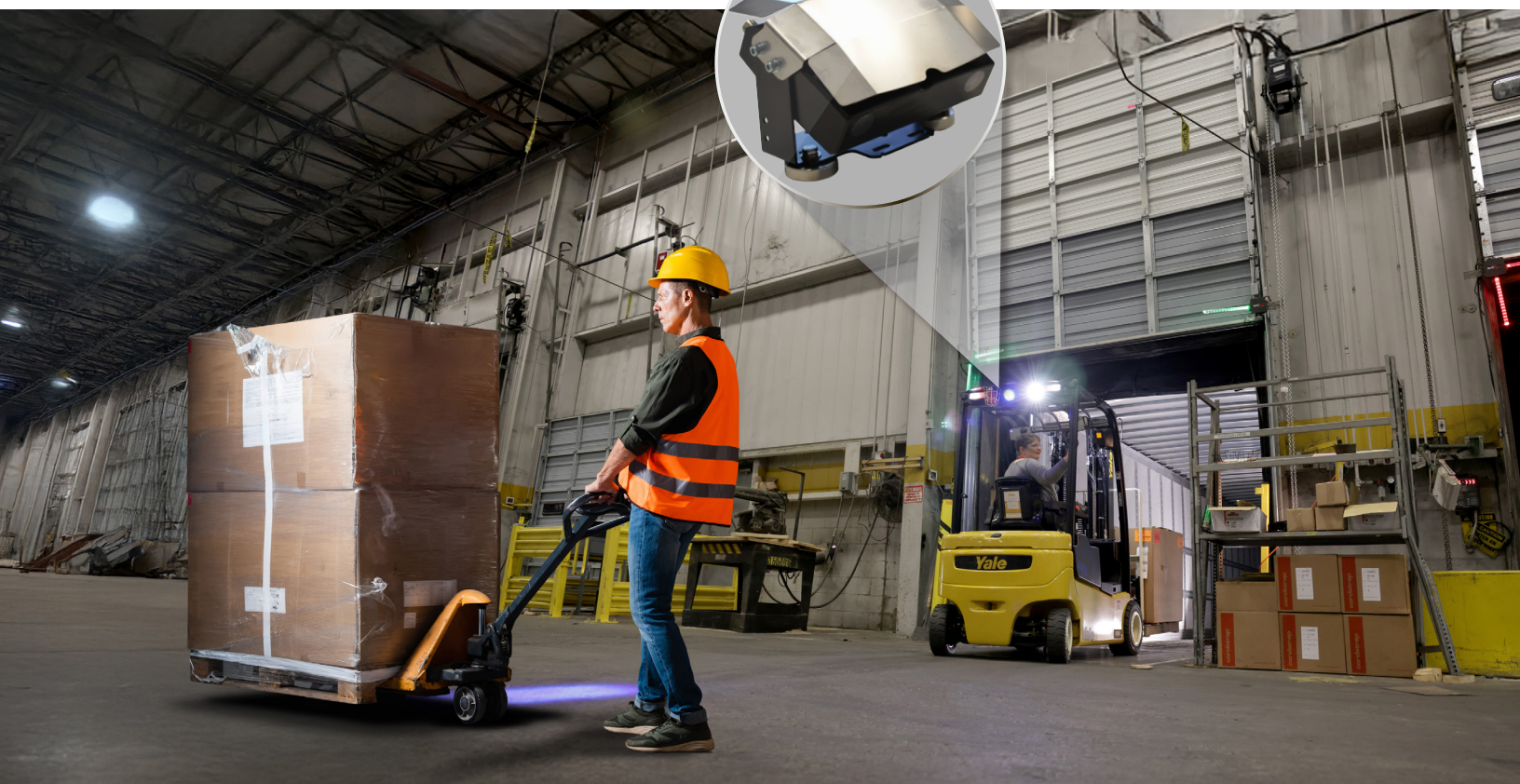


# Pedestrian Awareness Camera



Situational awareness of operators continues to be a vital aspect of safe and productive material handling practice. While it is always the operator's responsibility to receive proper training, follow operator manuals and stay alert, the Yale® Pedestrian Awareness Camera offers an optional tool to help support operator awareness. The camera is part of the Yale Reliant™ portfolio of active alert and assist technologies.

Upon detection of a pedestrian within approximately 16 feet of the lift truck, the three-alert system will engage audible, visual and optional traction alerts, while keeping the operator in control of the lift truck. Alerts disengage when pedestrians are no longer detected in the camera's field of view.

*Note: System can have up to 300 milliseconds of latency between the time of identification and any alert, and an additional 600 milliseconds or more of latency to process and engage the traction alert, depending on truck model. If lift truck is traveling at any speed, reduced reaction time for the operator will occur. System is optimized for travel speeds at 5 mph or less.*

## One detection system, Three configurable alerts

### STANDARD

#### **Audible**

The operator hears the system state, "Pedestrian within 16 feet."

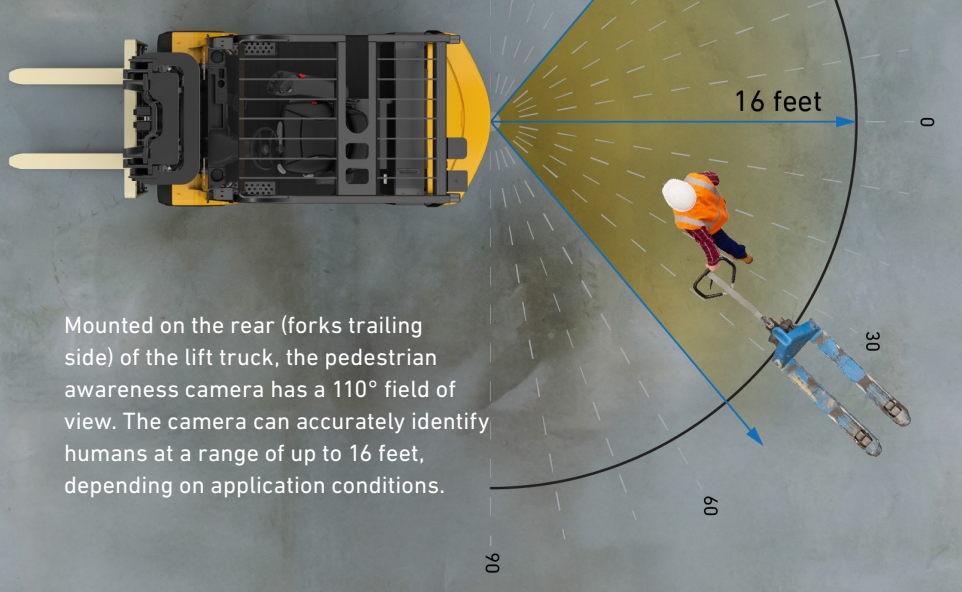
#### **Visual**

The display mounted inside the truck shows the zone in which the detection occurred.

### ADVANCED

#### **Traction**

Gradual deceleration that feels similar to the operator's foot lifting off the accelerator.



Mounted on the rear (forks trailing side) of the lift truck, the pedestrian awareness camera has a 110° field of view. The camera can accurately identify humans at a range of up to 16 feet, depending on application conditions.

### Are multi-camera options available, such as with detection on the forks-forward side?

Yes, the two-alert (audio & visual alert) system is available with multiple cameras as a field-installed option. To learn more about two or three-alert factory-installed multi-camera systems, contact your Yale Dealer.

### Can the system be installed on existing forklifts in my fleet?

Yes, the two-alert system can be installed on any forklift. The three-alert system can be installed on Yale forklifts meeting configuration requirements, that are in good working condition and are less than five years old.

### Is it possible to alter the placement of the alert display?

The factory will install the alert display in a standard position based on truck model. Consult with your Yale dealer regarding any possible changes to the location.

### Is it possible to have the audible alert be in various languages?

No, the audible alert is only available in English.

### Can the system be used both indoors and outdoors?

Yes, the pedestrian awareness camera adapts to various lighting and environmental conditions; however, complete darkness is a challenge for any vision system.

### Is it possible for the system to be used in cold storage?

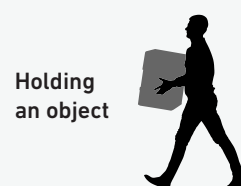
Yes, however, traveling in and out of cold storage areas could lead to condensation on the lenses. If the camera view is obstructed, the display will alert the operator of reduced functionality.

## Detection Functionality

The Pedestrian Awareness Camera's ability to identify humans has been developed to capture humans in various positions/stances. However, it may not always be possible to recognize a human as a pedestrian in the following situations.



Standing by a wall



Holding an object



Running



Partially hidden



Shorter than 150 cm  
Taller than 190 cm




Squatting



Blending in with background

To learn more about Yale Reliant, email us at [reliant@yale.com](mailto:reliant@yale.com)

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