

Pedestrian Awareness Camera

Take operator awareness
to a new level



Supports operator awareness.

The Yale® Pedestrian Awareness Camera, part of the Yale Reliant™ portfolio of active alert and assist technologies, is meant to support operator awareness by alerting the operator when a pedestrian is detected within the camera's detection range.

Mounted on the rear (forks trailing side) of the lift truck, the pedestrian awareness camera has a 110 degree field of view. The camera can accurately identify humans at a range of up to 16 to 20 feet, depending on application conditions. Upon identification of a pedestrian within the field of view, audible, visual and optional traction alerts will engage to further aid the operator across many situations.

One detection system,
Three configurable alerts

STANDARD

Audible

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

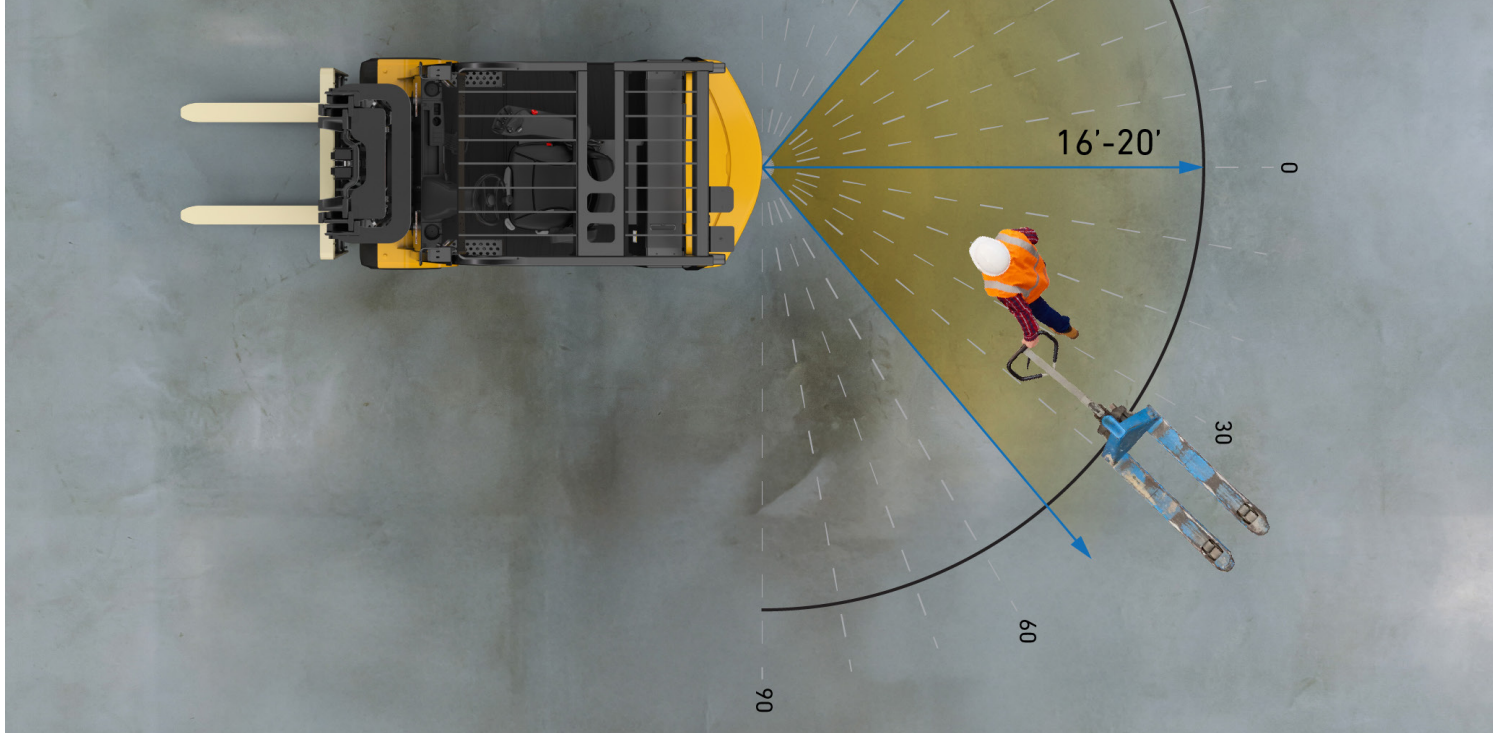
Visual

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.



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?

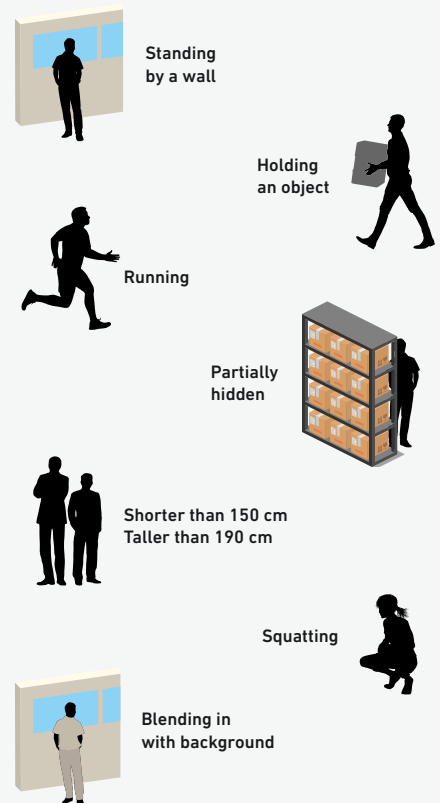
Yes, the pedestrian awareness camera adapts to various lighting and environmental conditions; however, complete darkness is a challenge for any vision system.

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.





Operator Responsibility

Operator awareness of surroundings is vital in safe and productive material handling practice. The Pedestrian Awareness Camera system is intended to provide an additional tool to leverage in appropriate applications to help support situational awareness of operators.

The system leaves control of the lift truck in the hands of the operator while alerting. Because the system cannot respond in every situation, it is the operator's responsibility to always be attentive, look in the direction of travel and follow proper operating procedures and all site-specific rules to avoid property damage and injury.*

To develop the skills required to operate a lift truck in a safe and efficient manner, the operator must:

- Receive training in the proper operation of the lift truck
- Understand the capabilities and limitations of the truck
- Become familiar with the construction of the truck, and keep it maintained and in good condition
- Read, understand and follow the warnings and operating procedures in the applicable operating manuals

System Limitations

All object and pedestrian detection systems have technology limitations. It is important that owners and operators of lift trucks understand the limitations of the systems they purchase and operate.

The Yale Pedestrian Awareness Camera 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 the truck model. If the lift truck is traveling at any speed, reduced reaction time for the operator will occur.


The system is optimized for travel speeds at 5 mph or less to give the operator ample time to identify the alerts provided and avoid contact. Once the identified pedestrian is no longer in view of the pedestrian awareness camera, alerts are disengaged.

** Failure to maintain a proper lookout and full control of the truck (including its load) at all times can result in death, serious injury or property damage.*

To learn more about Yale Reliant, email us at reliant@yale.com

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MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma

Home centers & durables

Retail & e-commerce