

SLOW/STOP AI CAMERA SYSTEM

Advanced Safety Solutions for Forklifts, Reach Stackers, Terminal Tractors and Personnel Vans

Improve workplace safety and operator awareness with the PROVIX Slow/Stop AI 360° Camera System. Designed for forklifts, reach stackers, and terminal tractors, this system combines intelligent braking with advanced AI-driven pedestrian and vehicle detection to help prevent accidents and increase productivity.

The AI 360° system detects, alerts, and reacts to hazards in all directions. If the operator fails to respond to visual and audible warnings, the Slow/Stop system automatically engages, overriding the operator, reducing speed, and autonomously disconnecting the throttle to avoid collisions.

Key Features

AI-Powered Detection

Detects pedestrians and vehicles up to 20 meters using deep learning.

Real-Time Alerts

Instant visual and audible warnings via the PROVIX HD monitor to prevent collisions and protect workers.

Wide-Angle Coverage

150°–170° camera view for maximum visibility.

Integrated Braking System

Autonomous Emergency Braking available for air, hydraulic, or electric brakes.

DVR Recording & Connectivity

2TB DVR records video and GPS data, with 4G, Wi-Fi, and GPS for live uploads and remote access.

Complete Installation Kit

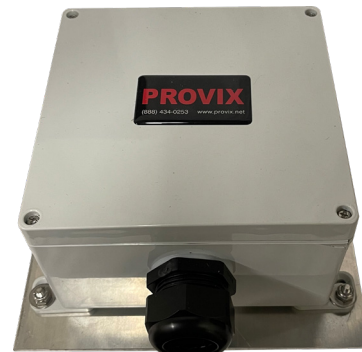
Includes all components and diagrams for quick, easy setup.

System Testing & Diagnostics

Simple testing procedures with resettable circuit breakers for easy maintenance.

Benefits:

- Significantly reduces the risk of collisions in busy work environments.
- Provides operators with greater confidence and situational awareness.
- Allows remote monitoring and video review for safety audits and training.
- Designed for easy installation into most industrial vehicle systems



FATIGUE MONITORING & CAMERA MANAGEMENT SYSTEM

FATIGUE MONITORING SYSTEM

The PROVIX Fatigue Monitoring System is integrated with advanced forward collision warning, detection of fatigue, distraction, driver absence, phone usage, and smoking to improve driving safety.

- HD Alarm recording
- Real-time monitoring videos on the operator
- GPS track recording, displaying current speed & location
- Supports 2G/3G/4G/WIFI/GPS Tracking
- Automatic data uploads
- Durable vehicle H.264 DVR with waterproof hard disc box



CMS System

PROVIX Mobile DVR systems provide real-time video, GPS tracking, and event recording to enhance fleet safety, monitor drivers, and simplify incident review and management.

- Automatic WiFi uploads to the cloud server, your server or ours.
- Real-time remote video monitoring via PC or mobile.
- GPS tracking with live map interface and historical route playback.
- Vehicle detection provides audible and visual alerts
- 1TB or 2TB onboard storage (up to 150 shifts)

CMS Client 2.5.4.90

Device: TRUCK224(301040057)

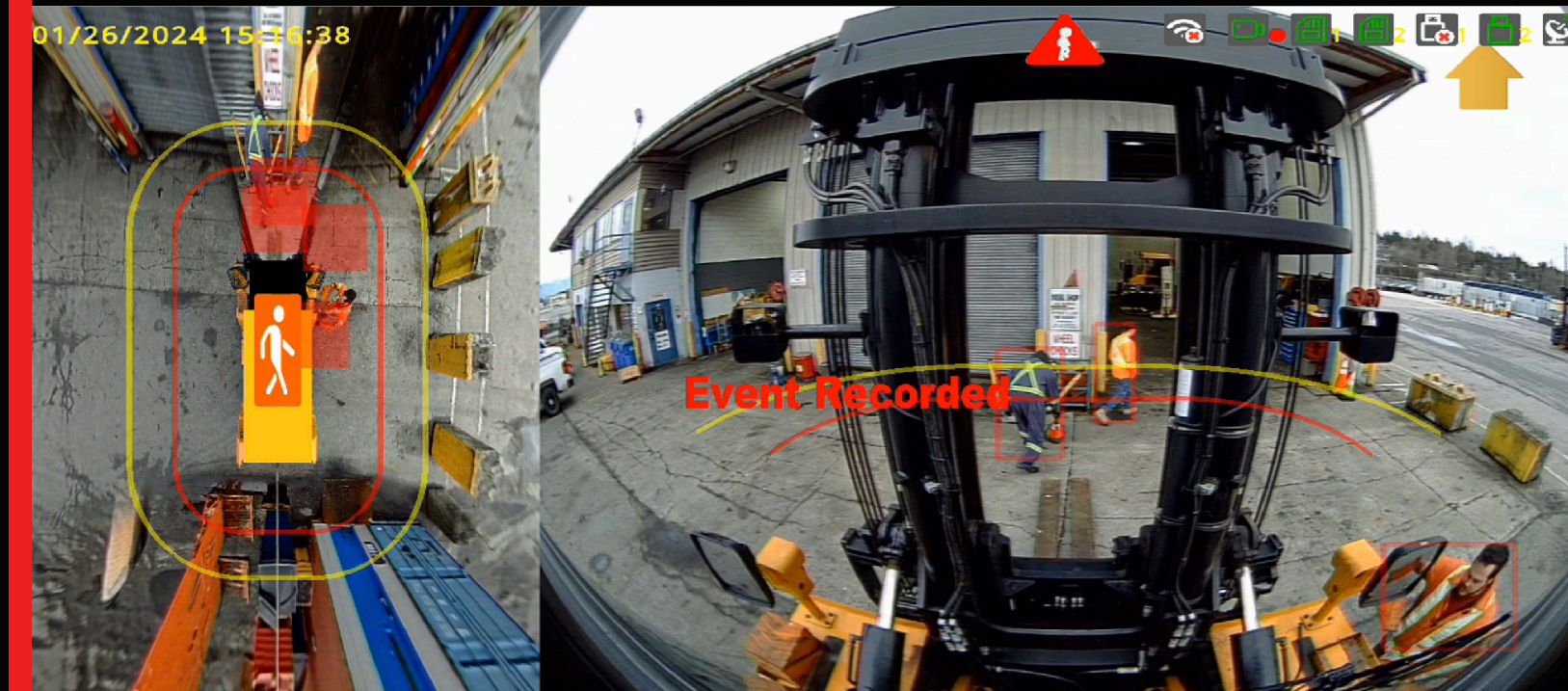
Mar 2025

Start Time: 2025-03-08 12:00:00 AM

End Time: 2025-03-08 11:59:59 PM

Seq	Plate No	Time	Speed(km/h)	Longitude	Latitude	GPS
6	TRUCK224	2025-03-08 05:4...	36	-80.190399	43.644524	Normal
7	TRUCK224	2025-03-08 05:4...	59	-80.186951	43.647865	Normal
8	TRUCK224	2025-03-08 05:4...	60	-80.186745	43.648102	Normal
9	TRUCK224	2025-03-08 05:4...	62	-80.186325	43.648445	Normal
10	TRUCK224	2025-03-08 05:4...	65	-80.184418	43.650299	Normal
11	TRUCK224	2025-03-08 05:4...	64	-80.184341	43.650433	Normal

PROVIX 360° AI PERSON DETECTION CAMERAS



WHAT'S INCLUDED

- 7 or 10 inch Monitor (Optional)
- Fatigue Monitor (Optional)
- 360° Aerial View AI Cameras
- DVR

DESIGNED FOR

The 360° Aerial View AI Camera System is designed to be compatible with on/off road vehicles and equipment, eliminating blind spots in every industry.

TERMINAL TRACTOR AI CAMERA SYSTEM WITH AUTONOMOUS BRAKING

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The Terminal Tractor AI Camera System is equipped with eight advanced cameras, delivering comprehensive safety features including person detection, blind spot monitoring, a trailer hookup view, in-cabin fatigue alerts, and automatic braking when people or vehicles are detected.

One 180° AI camera mounted on the front of the vehicle, the other two are mounted on the side mirrors. One 150° AI camera mounted on the back of the cabin for trailer hook up, two mounted on the sides of the trailer looking back for blind spot monitoring, and the last AI camera is mounted on the end of the trailer for rearview, providing front, rear, and side protection.



The monitor can optionally be 7 or 10 inches and is mounted in-cab alongside the Fatigue Monitoring Camera.

System Components

- Three 180° AI Cameras
- Four 150° AI Cameras
- Monitor (7" or 10")
- DVR 2TB
- Driver Monitor Camera (Optional)

Collision Avoidance System (CAS) Features

- AI-Powered Camera System:** No tags or wearables required for personnel or equipment.
- Autonomous Braking:** Automatically stops air-brake vehicles when obstacles are detected.
- Incident Tracking & Reporting:** Records, monitors, and logs all safety events in real time.
- Smart Camera Switching:** Monitor automatically displays active views as needed.
- Customizable Detection Zones:** Adjustable alert areas tailored to your worksite.
- Fatigue Monitoring:** Detects signs of drowsiness or inattentiveness.
- Real-Time Operator Alerts:** Visual and audible in-cab warnings to prevent incidents.

FORKLIFT 360° AI CAMERA SYSTEM WITH PERSON / VEHICLE DETECTION

The 360° AI Camera System provides an aerial view of the forklift along with live camera feeds. It features programmable detection zones that monitor the surrounding area for pedestrians or equipment.

When a person or vehicle is detected—up to 20 meters away—they are visually highlighted in red or yellow on the monitor, based on their location within the designated zones. The system delivers audible and visual alerts to the operator and activates an external white-noise alarm to warn nearby pedestrians of approaching equipment.

Equipment Camera System Benefits

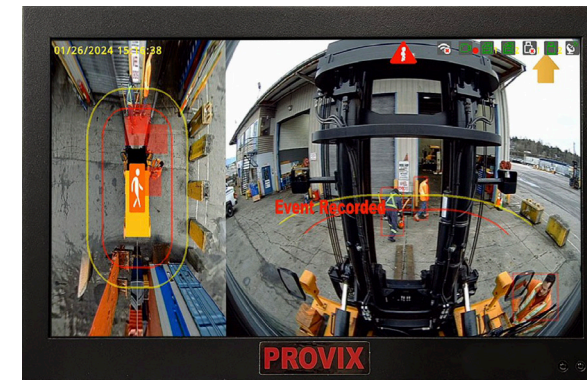
- Increased Safety
- Reduced Accidents
- Eliminates Blind Spots
- Lower Maintenance Costs
- Efficient Personnel Management
- Helps Train Equipment Operators
- Evidence Against Fraudulent Litigations
- Autonomous Throttle Disconnect

System Components

- 7 or 10 inch Monitor (optional)
- 4, 5, or 6 Cameras (optional)
- DVR 2TB

Collision Avoidance System (CAS) Features

- AI 360 Visibility:** Split-screen aerial view of equipment perimeter and active camera.
- Smart Camera Switching:** Auto-selects camera based on travel direction.
- Custom Detection Zones:** Detects people/vehicles up to 20m front/sides, 12m rear.
- Visual & Audible Alerts:** Monitor flashes and alarms sound on hazard detection.
- External Warning Systems:** Activates alarms, lights and indicators for nearby pedestrians.
- Autonomous Intervention:** PROVIX CAS cuts the throttle and applies brakes if operator fails to react.
- Mobile Access:** View live/recorded video via smartphone or tablet.



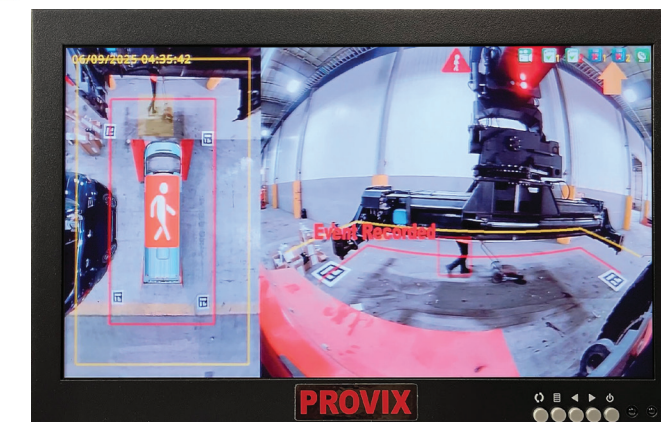
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REACH STACKER 360° AI CAMERA SYSTEM WITH PERSON / VEHICLE DETECTION

The 360° AI Camera provides an aerial view of the Reach Stacker, as well as displays the active camera views.

If a pedestrian or equipment is detected in the programmable zones around the perimeter of the equipment, they will be highlighted in red or yellow on the monitor depending on which zone they are detected in, and an audible warning can be provided.

An optional wireless camera is available to mount on the reach stacker boom, giving the operator visuals around the container, reducing blind spots.



System Components

- AI Cameras
- Monitor (7" or 10")
- DVR 2TB
- Optional Wireless Camera Mounted on the Boom

Collision Avoidance System (CAS) Features

- AI-Powered Camera System:** No tags or wearables required for personnel or equipment.
- Automated Incident Tracking:** Records, reports, and monitors events for safety insights.
- 360° Aerial + Live Camera Views:** Monitor displays 360° aerial and active camera views.
- Customizable Detection Zones:** Programmable alert zones based on your specific operation.
- Versatile Configuration:** Compatible with all types of vehicles and machines.
- Real-Time Operator Alerts:** Visual and audible in-cab warnings to prevent incidents.
- Optional Enhancements:** Add radar detection or an external speaker alarm for added safety.