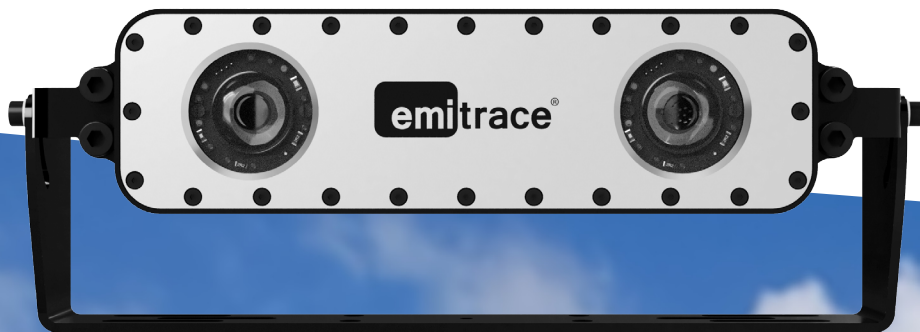




Fully embedded camera-based
driver assistance for industrial
vehicles and mobile machinery





Driver assistance for accident prevention at industrial worksites

emitrace® is the new fully embedded vision system for collision avoidance and accident prevention on heavy industrial vehicles. By continuously monitoring a defined risk zone, it alerts the vehicle driver with visual or audible signals as soon as a potential collision risk is identified.

emitrace® uses patented Reflex™ vision technology to detect workers with help of reflective markers on standard high-visibility work garments. This detection principle makes emitrace® robust to changing lighting conditions and is therefore highly suitable for both indoor and outdoor use in day- and nighttime operation.



Personnel equipped with standard reflective garments



Vehicle equipped with emitrace® sensor unit

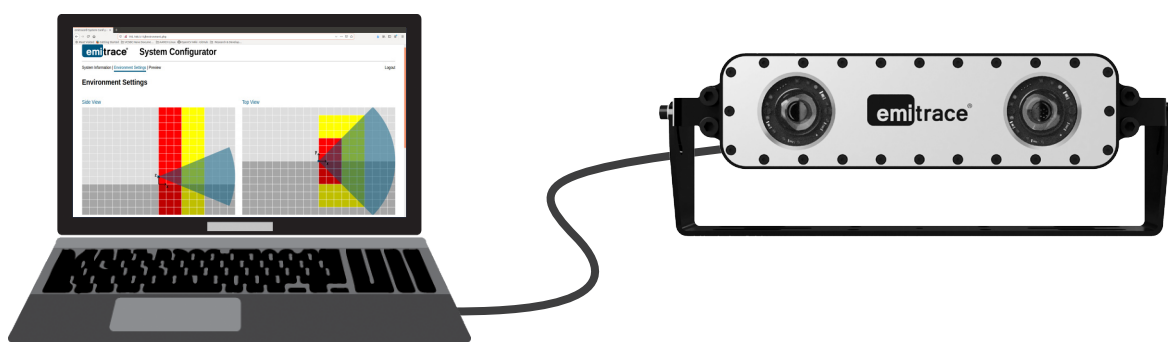
Driver cabin equipped with warning module





Your advantages with emitrace[®] driver assistance

- ✓ **Increased Worksite Safety**
by supporting vehicle drivers with preventive warning signals
- ✓ **Fully Embedded All-in-one Sensor Design**
without need for further data processing units or PCs
- ✓ **Patented RefleX[™] Detection Technology**
for high-performance detection also under difficult lighting conditions
- ✓ **Flexible Retro-fit and Efficient Setup**
on a broad range of industrial vehicles and mobile machinery



Technical Data

Sensor Unit emitrace® Alpha Stereo

Protection Rating	IP69K (rear side: IP67)
Temperature Range	Indoor-Version: 0°C to +50°C Outdoor-Version: -30°C to +50°C
Field of View	Horizontal 90° Vertical 67.5°
Dimensions	W x H x D 339 x 124 x 107 mm
Detection Range	1-10 meter (see drawing)
Interface	M12 industrial connectors for: <ul style="list-style-type: none">· Input Power (10-30 VDC)· Ethernet (for system configuration)· Warning Module

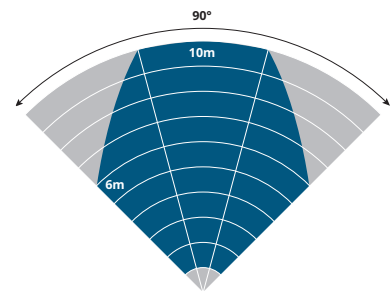
Application Areas

Industries

Logistics & Material Handling
Construction and Demolition
Waste Management
Surface and Underground Mining
Oil, Gas and Energy Industry
Port and Airport Logistics
Goods Manufacturing
Chemical Industries
Civil and Railroad Construction
Forestry and Agriculture



Horizontal Field of View



Take the next step to a safer work environment and contact us today!

sales@retenua.se



RETENUA
Intelligent Sensor Systems

® emitrace is a registered trademark of Retenua AB.
™ RefleX is a trademark of Retenua AB.

Retenua AB
Berglundavägen 12C
702 36 Örebro
Sweden

www.retenua.com
info@retenua.se