



SAFE
RELIABLE
AI INSIDE

The RailEye® Front Collision Warning Assistant (FCWA) from EYES detects critical traffic situations with collision potential and actively warns the driver using visual and audible signals. The system is suitable for all types of rail vehicles and reliably alerts the operator to potential dangers. Thanks to artificial intelligence and high-resolution camera sensors, the system only issues warnings in actual dangerous situations. The system doesn't just rely on detecting objects in front of the vehicle, it also considers both the current and predicted movement of those objects to provide more accurate and reliable warnings.

RAILEYE® FCWA
- THE PERFECT FUSION OF INNOVATION AND SAFETY.

SAVE
LIVES WITH
AI
EYES.com

FRONT COLLISION Warning Assistant



PRODUCT FEATURES

INTELLIGENT WARNING SYSTEM

- Utilizes high-resolution camera sensors combined with artificial intelligence
- No need for additional sensors like radar or LiDAR

ACTIVE ALERTS

- Actively informs the driver in critical situations with a two-stage warning strategy



TRAJECTORY

- Calculates the predicted movement direction of detected objects

MINIMIZED FALSE ALARMS

- Issues warnings only in actual collision risks by using multiple decision layers

COMPREHENSIVE DETECTION

- Detects pedestrians, cars, trucks, buses, trams, cyclists, and obstacles on the track, such as bumpers



FUNCTIONAL SAFETY

- Integrated self-diagnostic function and clear system status display

HIGH EFFICIENCY

- Enhanced safety and cost savings by preventing accidents

TRACK DETECTION

- Detects the track course and the vehicle's movement direction as the basis for defining the danger zone (area of interest).



MODULAR SOLUTION

- Expandable with a Moving-Off Assistant to monitor the vehicle's close surroundings when departing from stops

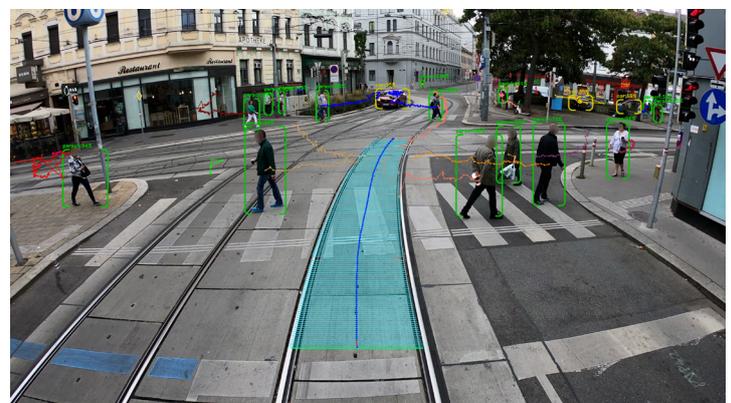
EASY INSTALLATION

- No need for openings in the vehicle's exterior
- Only one central processing unit, even for bidirectional vehicles!



EASY CONFIGURATION

- Calibration, configuration, and system updates easily managed via a web interface



PROTECT
TOMORROWS
WORLD WITH AI



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