



AMETEK®



Safety From Every Perspective

**INTRODUCING OUR NEW TVI
PERSON DETECTION SYSTEM**

+ MORE RELIABLE SAFETY THANKS TO **ARTIFICIAL INTELLIGENCE** +

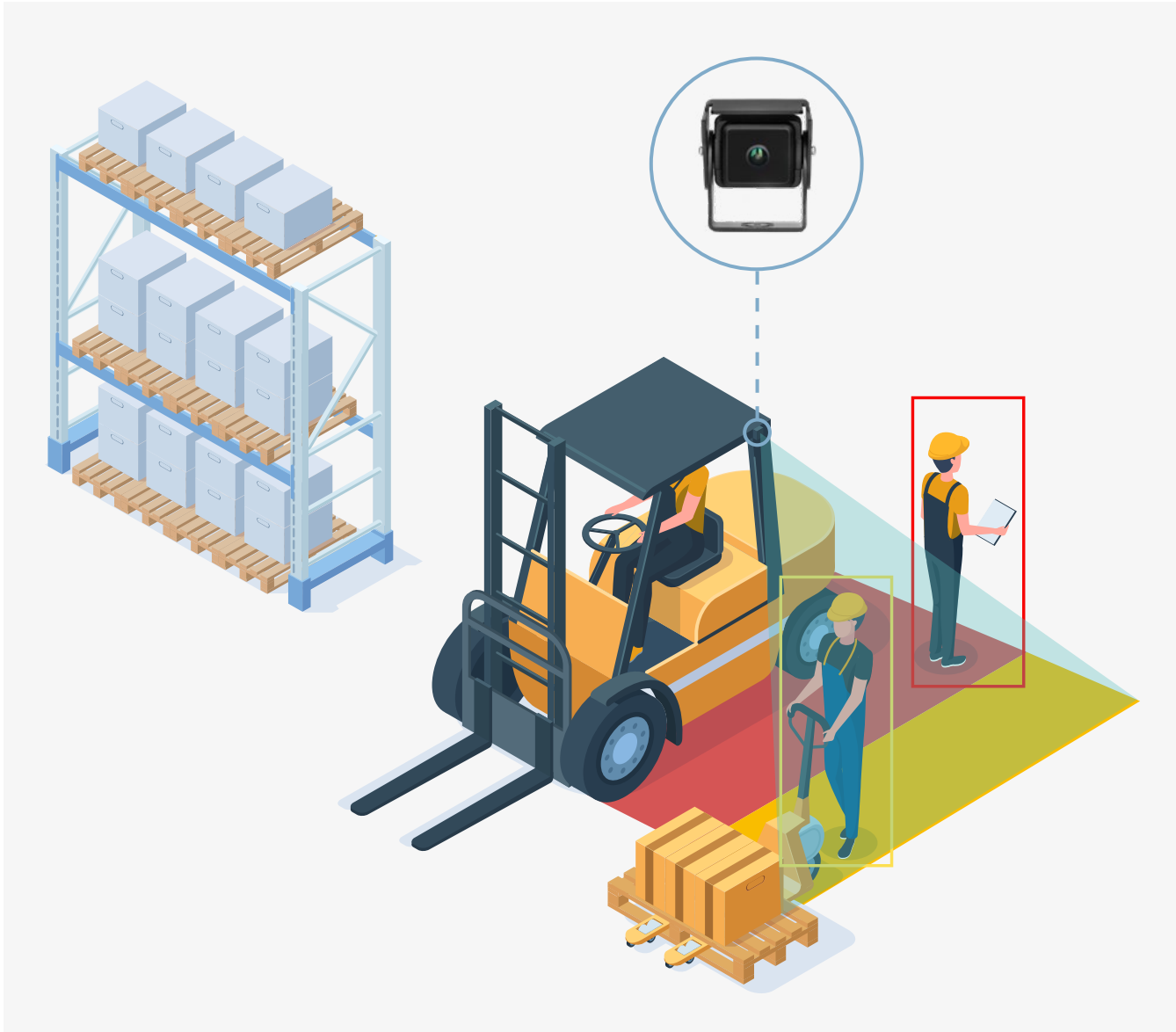
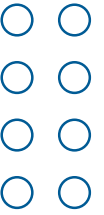
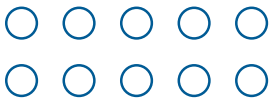


The TVI person detection system by Motec offers an innovative solution to enhance vehicle and personnel safety. Specially trained AI software recognizes persons in the defined warning zone and alerts the operator, providing vastly improved safety. Alarm signals are effectively filtered to prevent false alarms that could

result in stress and desensitization of the driver. Only relevant warning signals reach the driver, eliminating unnecessary alerts. The result: Improved reaction time, enhanced vehicle and personnel safety, reduced risk of accidents and reduced costs.

Top Features

- **AI recognition of pedestrians**
- **Alert through filtered video and audio signals**
- **Additional detection of moving objects**
- **Configurable warning and danger zones**



Improved safety through person detection

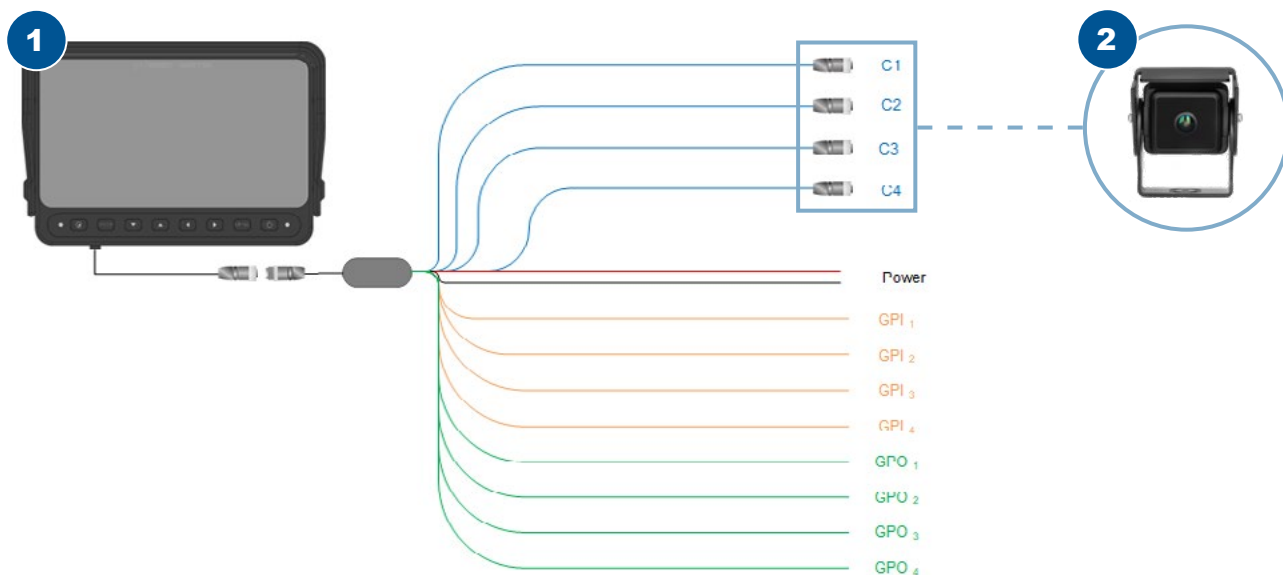
Our TVI person detection system minimizes false alarms and enhances reaction time to risks. With the integration of AI, relevant information is filtered for the driver – due to intelligent person recognition and detection of moving objects. Up to 4 configurable AI cameras can be installed per monitor, providing flexibility across various warning zones, extensive field of view expansion, and therefore, even more reliable safety. Two different warning zones (yellow, red)

can be freely configured for each MCT3158-AI-4A camera, each of which output different alarm signals. Because of TVI, our system provides a simple, cost-effective, and space-saving solution to upgrade existing analog base systems to HD image quality, thereby optimizing future viability. Additionally, our system consists of few individual components, simplifying the assembly and installation process significantly - Plug & Play.

EXAMPLE OF SYSTEM STRUCTURE

Heavy-Duty TVI Monitor
MDT4104-IP67-AI

Heavy-Duty TVI AI Camera
MCT3158-AI-4A



Heavy-Duty TVI Monitor
MDT4104-IP67-AI

- 10" monitor (25,9 cm screen diagonal)
- Mix HD 720P / FHD 1080P (TVI, AHD type) and CVBS available
- 4CH quad support
- Adopting high resolution LCD panel
- All functions are displayed on screen (OSD function)
- Free voltage (12...24 V DC (Max. 32 V))
- Waterproof (IP67)
- Conjunction with AI camera

Heavy-Duty TVI AI Camera
MCT3158-AI-4A

- Recognize people (optional motorcycles, bicycles, buses, trucks)
- Optimized recognition distance and recognition area (ROI) can be set for each installed vehicle
- High-quality FHD video (1080P) / digital transmission without loss of quality
- Video alarm and alarm sound output / external speaker
- Directly connected to a compatible monitor without a separate power supply
- High Dynamic Range Function (HDR)

+ MORE RELIABILITY, FLEXIBILITY &

SAFETY!

+

+
We look forward to a personal
consultation with you!

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