YOUR GUIDE TO:

VIA Mobile360 AI Forklift Safety Kit

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Prevent accidents and avoid damage to valuable goods and equipment with the VIA Mobile360 AI Forklift Safety Kit. With its rich visual intelligence and smart detection features, the kit enables operators to safely maneuver their vehicles in the most demanding warehouse environments by delivering real-time alerts whenever it detects potential hazards. Its highly-sophisticated DMS (Driver Monitoring System) further boosts safety by detecting operator tiredness, distraction, and risky behaviors such as using a phone.

Rich Visual Intelligence

To provide operators with the smart visual intelligence they need to safely maneuver around busy warehouse environments, the VIA Mobile360 AI Forklift Safety Kit delivers a rich 360° panoramic video stream direct to a high-resolution 7” screen. With DMOD (Dynamic Moving Object Detection) support in the front and rear cameras, the kit issues alerts whenever it detects potential safety threats such as the unexpected arrival of another vehicle or person within a close range – giving the operator time to take the appropriate action to prevent an accident.

Smart Operator Behavior

To ensure that operators are fully focused when they are behind the wheel, the VIA Mobile360 AI Forklift Safety Kit features a highly-sophisticated DMS using an FOV-60° camera that can be installed in the front of the cabin. When it detects signs of fatigue, distraction, and dangerous behavior such as yawning, eyes closing, using a smart phone, and even smoking, the DMS automatically sends a visual or audio alert to the operator. To prevent unauthorized staff from operating the vehicle, the DMS also supports Driver ID using facial recognition technology.

Rock-Solid Reliability

including cameras and display that have undergone stringent testing and validation procedures, the VIA Mobile360 AI Forklift Safety Kit delivers rock solid reliability in the most demanding indoor and outdoor environments on all types of forklifts.

Rapid Customization & Deployment

With its flexible design, the VIA Mobile360 AI Forklift Safety Kit offers additional customization options to meet specific usage requirements, including ultrasonic proximity sensors or mmWave short distance radar sensors. To facilitate installation, the kit comes with a user-friendly VIA Mobile360 Software Calibration Tool that makes camera setup and calibration fast and convenient. Contact us to learn more about our comprehensive range of customization services for all classes of vehicles and usage scenarios.

Benefits

- Increased operator and worksite safety
- Enhanced operational efficiency and staff wellbeing
- Reduced risk of damage to goods and equipment
- Easy installation and camera calibration
- Ultra-reliable operation

Hardware Features

- Robust fanless VIA Mobile360 M810 in-vehicle system
- Four FOV-190° cameras supporting SVS (Surround View System) and front/rear DMOD (Dynamic Moving Object Detection)
- FOV-60° camera with infrared for DMS (Driver Monitoring System)
- Speeding alert using CAN Bus
- 7" high-resolution display panel
- 2m/10m cables
- Optional seat belt buckle sensor
- Optional 4G/Wi-Fi
- SD/SSD storage options
- Optional ultrasonic proximity sensors/mmWave short distance radar sensors

Software Features

- VIA Mobile360 SDK for Fleet Management and Cloud Integration
- VIA Mobile360 Software Calibration Tool
- VIA Mobile360 DMS technology
  - Yawning / Drowsiness
  - Eyes Closed
  - Head Down
  - Smoking
  - Holding a Phone
  - Camera Blocked
  - Driver ID (Facial Recognition)

If you are interested in how we can customize the VIA Mobile360 AI Forklift Safety Kit to fit your specific needs, please don't hesitate to get in touch with us.

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