

## Backeye 360 AI Intelligent Detection

All vehicles have blind spots, areas around a vehicle that are obstructed by body or machinery. Notably, these blind spots become more critical in the context of large heavy-duty vehicles, amplifying the potential risks they pose on the road. When the driver is performing a manoeuvre, blind spots pose a significant danger to anything or anyone in the vehicle's path. A staggering number of collisions involving vulnerable road users occur regularly because they are unaware of the blind-spots surrounding a vehicle, leading to a collision as they have not been spotted by the driver.

Backeye®360 AI Intelligent detection is a 360-degree high-definition four-camera system enhanced by state-of-the-art AI technology to identify humans and effectively eliminate all blind spots. Providing a comprehensive view of the surrounding area in a single image, Backeye®360 AI audibly and visually alerts the driver when a person is detected using artificial intelligence.

- Audible and visual alerts when a pedestrian or cyclist is detected using artificial intelligence
- Comprehensive view of surrounding area in a single image
- Multiple viewing options including 3D which gives a clearer representation of the scene
- Automatic calibration saves time on set-up and installation
- Triggered views allow the driver to see appropriate image when performing a manoeuvre
- High resolution delivers a clear and sharp image displayed on the monitor
- Bespoke vehicle overlays for on screen customisation

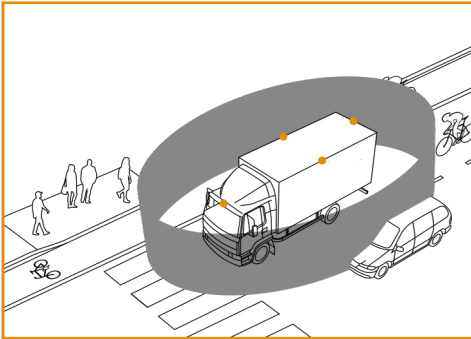


### About us:

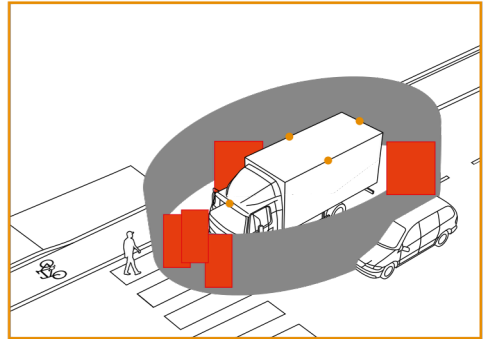
Brigade Electronics is a market leader of safety devices, with solutions to suit all commercial vehicles and mobile plant. Our complementary range of safety devices help prevent collisions by assisting the driver whilst protecting workers, pedestrians and cyclists.

# Backeye 360 AI Intelligent Detection

# Brigade



No pedestrians in the detection zone



Pedestrians detected

## AI AHD 360° CAMERA SYSTEM

AI

### VBV-360-1000 - High Definition Backeye®360 system with Artificial Intelligence 7524

- **IP69K cameras**
- **12-24Vdc**
- **Size (WxHxD) ECU**  
**140 x 122 x 40mm**
- **Size (WxHxD) Camera**  
**140 x 63 x 54mm**
- **3 year warranty**

## AHD

#### Contents

- 1 x ECU
- 4 x VBV-2230-C-AI cameras
- 1 x Interface Harness
- 1 x Power harness
- 1 x Video input harness
- 1 x Video output harness
- 1 x Video output cable
- 1 x Remote control

#### Features

- AI technology
- Audible and visual alerts when a pedestrian or cyclist is detected
- Comprehensive view of surrounding area in a single image
- 1080p HD 360° image
- 5 view modes:
  - Choice of 2D or 3D
  - Landscape & portrait configurations
  - Front & rear crossing-traffic
- Customisable vehicle position
- Auto calibration via monitor
- Left, right, reverse & speed signal triggers
- Configurable on-screen parking markers
- Customisable overlay guidelines per camera view
- 2 x video outputs

- Ultra-wide viewing angle cameras (HxV) 190° x 130°
- 1/4" CMOS sensor
- Video output:
  - AHD 1.0 and CVBS (PAL/NTSC)
- 360 view and individual channels recordable on Brigade MDR recorders

#### Power

- Power consumption: 15 Watts
- Current: 1.22 Amps

#### Durability & Standards

- Mechanical vibration: 2.8G
- Operating temperature:
  - 20 to +75°C
- IP30 ECU
- CE marked
- E-Marked: UNECE R10 compliant
- FCC Approved
- IC Approved

#### NOTES:

- **Calibration mats are required for installation.**
- **Monitor and camera extension cables not included**

Please visit our website for more information, individual specifications and to view our full range of safety solutions.

[brigade-electronics.com/360](http://brigade-electronics.com/360)

