

Brigade

Backeye®360 AI

Camera Monitor Systems

Backeye®360 AI is an intelligent four-camera system designed to eliminate vehicle blind spots and assist with low-speed manoeuvring. 360° technology provides the driver with a complete top-down view of their vehicle or machine and its surroundings, displayed as a single image on the monitor.

In addition, integrated artificial intelligence detects and recognises human forms within the predefined detection zone. When a person is detected, they are highlighted with a box on the monitor, and an audible warning alerts the driver to help prevent a possible collision.

- Recognises and alerts the driver to people around the vehicle
- Comprehensive view of surrounding area in a single image
- Triggered views allow the driver to see appropriate camera image when manoeuvring
- High resolution delivers a clear and sharp image
- Bespoke vehicle overlays for on-screen customisation

AI 360° Camera System with Human Form Recognition (HFR)



About us

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

Backeye® 360 AI

Model Number: VBV-360-1000

Part Number: 7524



Resolution
1080p AHD



IP Rating
IP69K cameras



Voltage
12-24Vdc



Size (WxHxD) Camera
140 x 63 x 54mm



Size (WxHxD) ECU
140 x 122 x 40mm



Warranty
3 Years

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



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