



PROX-EYE™ STEREO Visual Guidance System

YOUR CONSTRUCTION TECHNOLOGY PROVIDER

SITECH®

PROX-EYE™ STEREO Visual Guidance System

ZERO HARM ON WORKSITES

PROX-EYE Stereo by Correct AI is a visual guidance system that combines HD cameras and artificial intelligence software to assist vehicle operators monitor and dramatically reduce risks around their equipment.

The system provides hazard notifications and real-time images of the surrounding area. It is designed for commercial and industrial equipment such as mid-sized dozers, loaders, skid steers, lift trucks and vans.

PROX-EYE is a cost effective and durable system revolutionising the way that industrial vehicles are managed on challenging worksites.



Stereo camera modules



7" touchscreen operator monitor



In-cab operator view

CORRECT-AI

Industrial Robotics & Artificial Intelligence

PROX EYE by Correct-AI is the most advanced system on the market, utilising the most precise object detection technology available.

No other system offers the proprietary AI software that forms part of the solution.

The cameras and AI software provide vehicle operators with intelligent warnings of imminent danger, minimising the risk of collisions and struck bys.

FEATURES

- ▶ High definition camera
- ▶ 7" display
- ▶ Mounted inside operator's cab
- ▶ Reliable and proven technology
- ▶ Customisable detection range
- ▶ Customisable hazard classification
- ▶ Reporting and recording capabilities
- ▶ Collision warnings based on artificial intelligence
- ▶ Video documentation of equipment operation and data dashboard

SAMPLE APPLICATIONS

- ▶ Agriculture
- ▶ Construction
- ▶ Energy
- ▶ Logistics
- ▶ Mining
- ▶ Pipeline



BENEFITS

Safety

- ▶ Accident-free industrial worksites
- ▶ Incident prevention

Affordable and Compact

- ▶ Cost-effective, durable and compact system

Data Archiving

- ▶ Records sensor data for post incident and efficiency analysis

Enhanced Operator Capacity

- ▶ Displays, classifies and shows all hazards and their distance to eliminate false positives

Increased Operator Confidence

- ▶ Provides real-time proximity awareness and terrain-hazard notifications whilst recording operational data for future review

Increased Efficiency and Productivity

- ▶ Gains achieved through enhanced operator capacity and confidence
- ▶ Lower operating and repair costs

PRODUCT SPECIFICATIONS

Monitor: 7" LCD Touch Screen Monitor

Specifications

Screen	Resolution: 1024 x 600 Sensitivity: Tough Screen Brightness: 500 cd/m2 Contrast Ratio: 500:1 Backlight LED View Angles: 50/60B/65L/65R
Power	12 VDC
Mount	VESA Mount 75mm x 75mm (100mm x 100mm) Metal Case

Environmental

Operating Temperature	-20° to ~60°C (-4° to 140°F)
Vibration Tolerance	10 G
IP Rating	IP 65

Mechanical

Dimensions	204 x 132 x 42 mm
Weight	2000 g

Cameras: 1080P HD Cameras

Specifications

Sensors	3 MP IMX307 Black Light CMOS Sensor:
Image Output	1920 x 1080 @ 25 fps
Shutter Speed	1/50 (1/60) seconds to 1/10,000 seconds
Field of View (FOV)	100° (horizontal)
Day-Night Mode	Support IR-CUT:
Network Interface	RJ45 Ethernet Interface
Power	12 VDC/ 2 A
Power Consumption	≤ 3 W:
Night Vision	Built-in IR LEDs

Environmental

Operating Temperature Range	-40° to 85°C
Storage Temperature Range	-40° to 85°C
IP Rating	IP 67

Mechanical

Dimensions	77 x 115 x 84 mm
Weight	Approx. 1200 g

PRODUCT SPECIFICATIONS

System Performance

Specifications

Reaction Time	≤ 0.5 s
Obstacle Detection Range and Types	Humans ≤ 10 m Vehicles ≤ 100 m General Obstacles (larger than 30 cm) ≤ 100 m
Notifications	Adjustable by the operator for three zones
Situational Awareness	Obstacles Detection Obstacles Identification



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