

MAIN LINE

2000M RANGE, CONTINUITY, AWARENESS

Increasing efficiency using AI, and advanced vision sensors to detect hazards on railway tracks in agnostic weather or lighting conditions.

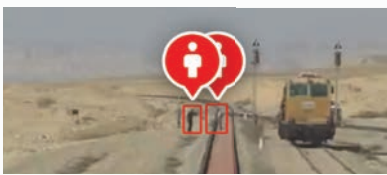
Our MainLine cutting-edge system ensures safety, and continuity. With an extended visual range of up to 2 km (1.2 mi), it overcomes challenges and paves the way for a safer, more efficient operation.

Instilling confidence in every move, journey, cargo, and passenger.

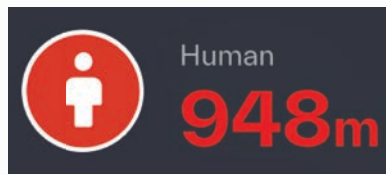
ONE DASHBOARD, COUNTLESS INSIGHTS

Our client portal provides a seamless user experience. Efficiently manage your fleet with data-driven design, leveraging actionable insights and ongoing analytics.

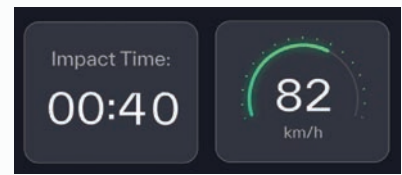
CLEVER DESIGN EFFORTLESS OPERATION



Clear & Simple
up to 2KM ahead

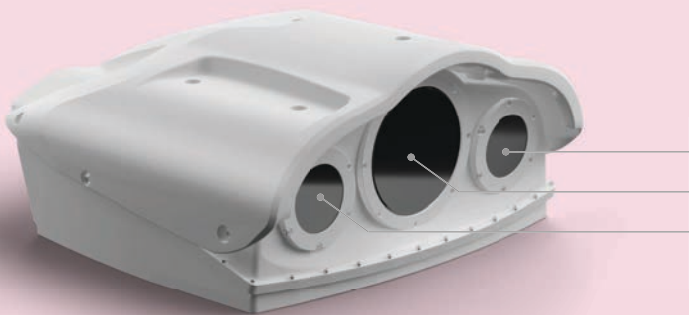


Visual & Acoustic Alerts
for enhanced safety



Precise & Reliable
for 24/7 operations

OUR UNIQUE VISION



Narrow Field camera

Thermal camera













Wide Field camera

MAIN LINE



ARTIFICIAL INTELLIGENCE

DETECTION & CLASSIFICATION

			
HUMAN	ANIMAL	VEHICLE	LOCOMOTIVE
			
ANOMALY	SIGNS	BRAKING SHOE	SIGNALING
			
WAGON	PATHFINDER	SWITCH STATE	END OF RAIL

TECH SPECS

INTERFACE TYPE

FEATURE

FIGURE & DETAILS

MECHANICAL

Size - Sensor Unit (SU)	600×670×332 mm
Size - Computing Unit (CU)	483×403×133 mm (3U Rack)
Size - Communication Interface Unit (CIU)	483×403×88 mm (2U Rack)
Installation	IAW drawing

TEMPERATURE

Operating temperature	-40° to +70°C
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ELECTRICAL

Nominal inputs voltage	48-72 VDC
Maximum power	<800W
Display	Railway certified
Audio	Embedded in video (1x Line Out)

COMMUNICATION

Network	LTE (Cellular connectivity)
Interfaces	GbE LAN (M12 X-Coded)
	CAN (optional)
	GPIO

STANDARTS

Environmental operating conditions	Compliant EN 50155, EN 61373, EN 60529
Safety standard	Compliant EN 50126, EN 50657
Fire protection	Compliant EN 45545
Electromagnetic compatibility	Compliant EN 50121