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.

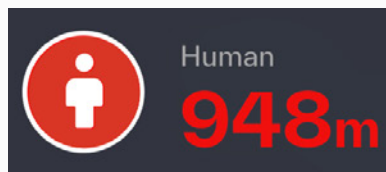Instilling confidence in every move, journey, cargo, and passenger

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.
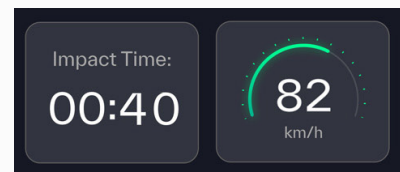
CLEVER DESIGN
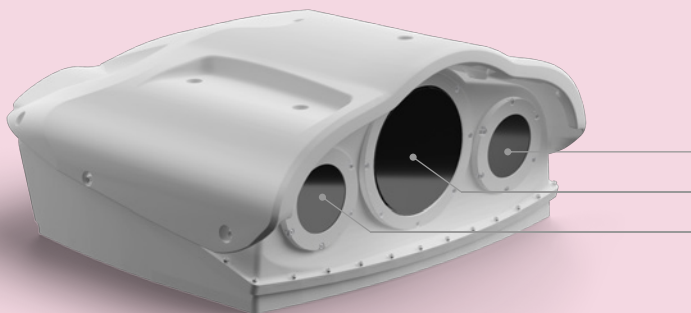## EFFORTLESS OPERATION

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

Rail Vision

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
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	Design to meet EN 50155, EN 61373, EN 60529
	Safety standard	Design to meet EN 50126, EN 50657
	Fire protection	Design to meet EN 45545
	Electromagnetic compatibility	Design to meet EN 50121