

SHUNTING YARD

SAFE SORTING, SAFER OPERATION

Our ShuntingYard innovative system detects hazards up to 200 meters away, in diverse weather or lighting conditions, utilizing advanced vision sensors with AI and deep learning, and with built-in coupling camera it makes operation easier, providing a clear and direct view. Instilling confidence in every driver and team members on or off track.

Rail Vision a promise of a safer, more efficient switching operations.

ONE DASHBOARD, COUNTLESS INSIGHTS

Efficiently manage your fleet with our data-driven design. Leverage actionable insights and ongoing analytics to enhance decision-making ultimately optimizing your operation.

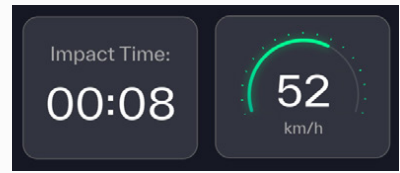
CLEVER DESIGN EFFORTLESS OPERATION



Clear & Simple
for everyone

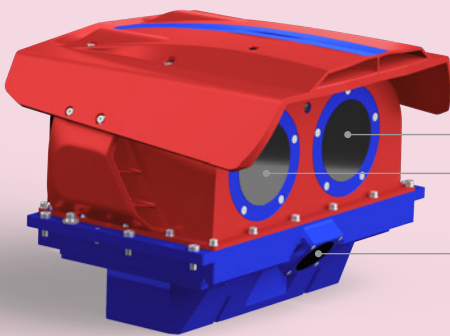


Visual & Acoustic Alerts
for enhanced safety



Precise & Reliable
for 24/7 operations

OUR UNIQUE VISION



Thermal camera

Visual camera













Coupling camera

SHUNTING YARD



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)

320×332×255 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

Compliant EN 50155, EN 61373, EN 60529

Safety standard

Compliant EN 50126, EN 50657

Fire protection

Compliant EN 45545

Electromagnetic compatibility

Compliant EN 50121