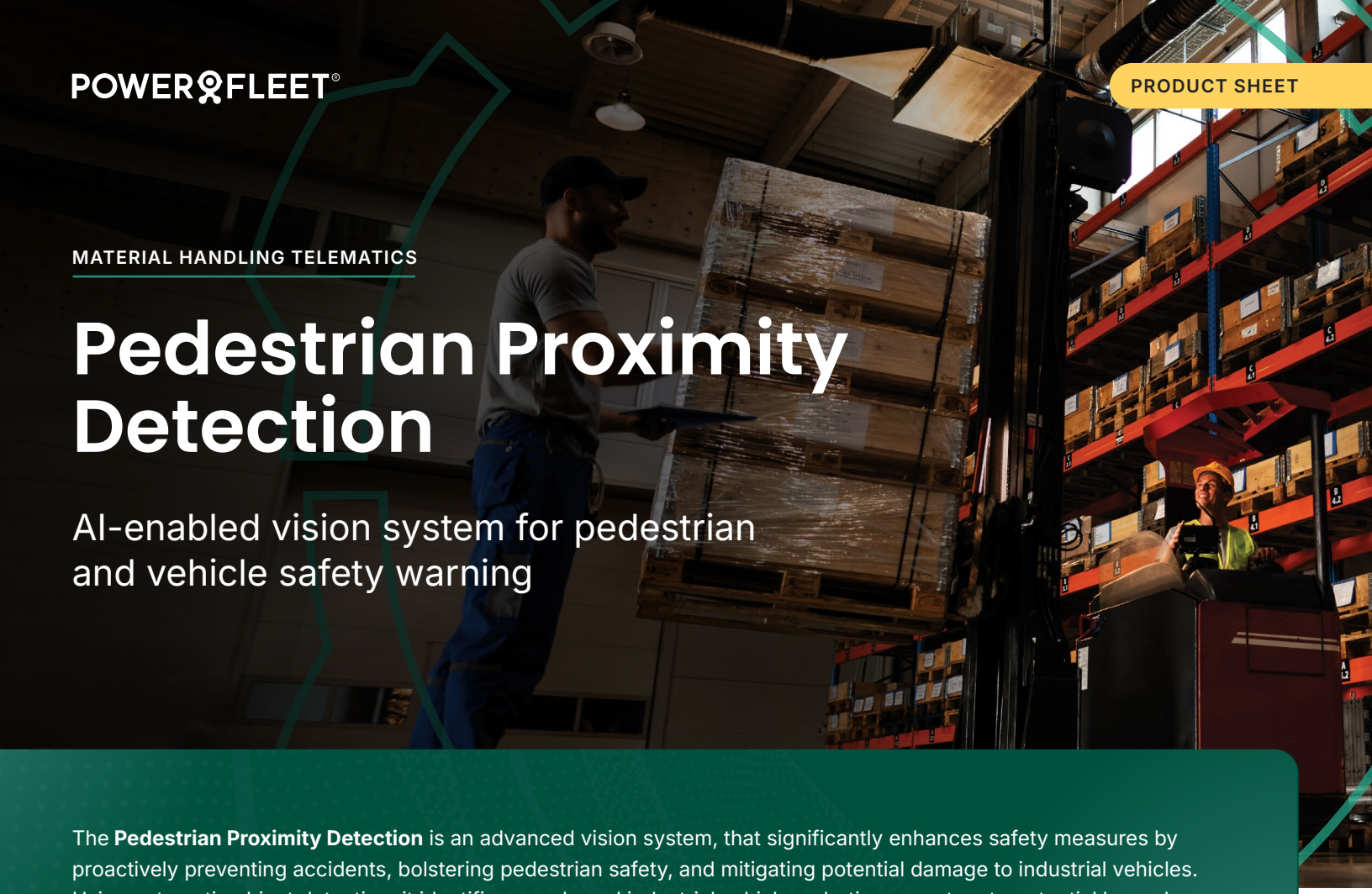
POWERFLEET®

PRODUCT SHEET



MATERIAL HANDLING TELEMATICS

Pedestrian Proximity Detection

AI-enabled vision system for pedestrian and vehicle safety warning

The **Pedestrian Proximity Detection** is an advanced vision system, that significantly enhances safety measures by proactively preventing accidents, bolstering pedestrian safety, and mitigating potential damage to industrial vehicles. Using automatic object detection, it identifies people and industrial vehicles, alerting operators to potential hazards and imminent danger, thus promoting a safety-focused workplace and maintaining safety standards.

The system can include up to three vehicle-powered cameras equipped with embedded artificial intelligence that can identify select objects. It also features front and rear indicator lights that emit audible and visual warnings when objects breach the vehicle path.

A central wiring box powers the cameras and connects inputs and outputs for zone detection. When linked to our Forklift Gateway, camera outputs capture event details like breach location, time, and driver identification.

Identifying potential risks without reliance on special apparel or wearable tags makes the Pedestrian Proximity Detection system universal and more reliable. It alerts drivers and pedestrians to avoid health and safety issues and provides management with quantifiable analytics for coaching best practises.

The Pedestrian Proximity Detection system can integrate with Powerfleet's SaaS-based fleet intelligence platform that ingests, processes, and enriches data from every asset, vehicle, and person. It helps decrease safety incidents by triggering speed and access control, detection of high-risk areas by identifying near-miss events, driver coaching, and more.

Key features

Up to 5 areas of escalating severity options provide advanced warning and critical action based on proximity to the vehicle

Activation based on direction of travel to avoid nuisance alarms

Visual and audible driver notification of risk

Integration with telematics solutions for vehicle control, mapping, and analysis of events

No need for special apparel or wearable tags

Image capture of events

Designed to **revolutionise pedestrian and vehicle safety**

The **Pedestrian Proximity Detection** system offers a broad array of business-relevant features designed to revolutionise pedestrian and vehicle safety, and protect your most valuable assets – your people.

- Enhance safety
- Mitigate liability
- Increase longevity of assets
- Protect brand reputation
- Boost employee morale

Technical Specifications

Communication

Cellular Technology	LTE CAT-6 4G Bands: B2/B4/B5/B7/B12/B13/B25/B26/B29/B30/B41/B66/B71
Cellular Data Rates	Uplink up to 50 Mbps, downlonk up to 300 Mbps
Wi-Fi Standards	802.11 b/g/n/ac
Wi-Fi Frequencies	5GHz & 2.4GHz
Wi-Fi Range	Up to 300 ft (100 m)
Wi-Fi WLAN Security Settings	WEP-64, WEP-128, WPA- PSK (TKIP), WPA2-PSK (AES), WPA-Enterprise, WPA2-Enterprise
Wi-Fi Encryption	TCP via HTTPS
Antenna	External
Packet Data	TCP/IP

BLE

BLE Technology	Bluetooth® 5.0 Low Energy Serial over BLE

Global positioning

Type	GNSS
External Antenna	Required

Inputs & outputs

Inputs	5
Outputs	5
Configurable I/Os	8

Technical Specifications (cont'd)

Interfaces

COM port	RS-485
USB	1
CAN	1

Power

Input Voltage	9-48VDC (up to 72VDC with external voltage converter)
Internal Battery	Coin Cells: 5 years typical life
Consumption	2 camera system with alarms: 2A (nominal) 1 camera system with alarm: 1.5A (nominal)

Environmental

Temp, operation	-40° to 50° C
Temp, storage	-40° to 85° C
Humidity	90% relative humidity, non-condensing
Ingress Protection	IP65

Certifications

Communication	FCC Part 15 Subpart B
Electromechanical	CE
Sustainability	RoHS

Data Retention

Memory	~30 days of images based on normal usage
Clock	Real-time

Technical Specifications (cont'd)

User interface

LEDs	10
Display	Optional 7" display

Size

Dimensions	69.9(W) x 127(H) x 47.2(L) mm; 2.75″(W) x 5″ (H) x 1.86″ (L) (camera) 148.6(W) x 50.5(H) x 205.6(L) mm; 5.85″(W) x 1.99″ (H) x 8.1″ (L) (IO Module)
Weight	570 gr; 1.25 Lbs (camera) 1.25 kg; 2.75 Lbs (IO Module)

Installation

Mounting	Magnetic or screwed in using provided brackets
Connections	Multi-wire, connectors and splicing

Camera

Video resolution	640 × 480
Recording speed	Configurable; Maximum 2 FPS
Recording type	Events
AV Output	1 HDMI for up to 3 channels
Line of Sight	120 degrees; 3 to 30 ft distance
Event Alarm	70-94 decibels @ 3 feet; Red/Yellow light

Accessories Driver Display | Speed Restriction | Audible/Visual Alarm

Powerfleet (Nasdaq: PWFL; JSE: PWR; TASE: PWFL) is a global leader in the artificial intelligence of things (AIoT) software-as-a-service (SaaS) mobile asset industry. With more than 30 years of experience, Powerfleet unifies business operations through the ingestion, harmonisation, and integration of data, irrespective of source, and delivers actionable insights to help companies save lives, time, and money. Powerfleet's ethos transcends our data ecosystem and commitment to innovation; our people-centric approach empowers our customers to realise impactful and sustained business improvement. The company is headquartered in New Jersey, United States, with offices around the globe. Explore more at www.powerfleet.com.

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