

CONTAINER, CHASSIS, AND TRAILER TRACKING

VIDEO

FreightCam

Remote Cargo and Asset Visibility Through Imagery and Environmental Sensors

Description

The **FreightCam** combines a high-resolution camera, image recognition processor, door sensor, and artificial intelligence (AI) to deliver comprehensive cargo visibility throughout the entire transportation cycle. It accurately reports load and empty status while providing detailed insights into the cargo. Loaded, empty, and cargo images are configured to update on key transportation events (e.g., door closed, begin/end of drive). Additionally, Cargo Images can be remotely triggered on-demand and/or according to a predefined schedule.

It installs on swing or roll doors to provide the best vantage point for true loading efficiency analysis, without the risk of being obscured by cargo loaded against the front wall. Utilizing advanced wireless technology, the FreightCam can be mounted on the rear door(s) of the trailer, while the host tracking

device is positioned at the front. This configuration ensures reliability, minimizes damage risks, maximizes solar recharge for the host device, and optimizes cargo visibility.

It addresses a critical gap in the supply chain for freight transportation providers, shippers, and supply chain stakeholders to gain greater insight and quality control into their business. It allows obtaining root cause analysis for claims, including location and visual proof.

The FreightCam can connect with Powerfleet's Logistics Gateway and Logistics Gateway - Solar to provide real-time event reporting. The Gateways integrate with Unity, our SaaS-based fleet intelligence platform that ingests, processes, and consolidates data from every asset, vehicle, and person. Through advanced data intelligence, Unity unifies business operations.

Key Features

- Remote cargo visibility
- Cargo image capture, storage, and upload
- HD camera with IR LED flash to take pictures in the dark
- Loaded/empty events and status
- Integrated door open/close sensor
- Long-life lithium primary battery
- Integrated cargo temperature/humidity/pressure/light sensors



Event and on-demand cargo image triggers



Swing and roll door installation



Optimal unique configuration – FreightCam on rear door(s) and host gateway at front, maximizing solar recharge and cargo visibility.



Designed to Revolutionize Your Logistics Operations

The **FreightCam** presents a wide array of freight and trailer management functionalities that are specifically tailored to transform your operations:

- Identify loss and damage
- Detect theft in route
- Increase load efficiency
- Improve utilization
- Enhance productivity
- Improve driver satisfaction
- Lower operating costs
- Reduce fuel consumption
- Achieve sustainability goals
- Drive continuous improvement

Technical Specifications

BLE

BLE Technology	BLE 5.1 & 2.4 GHz proprietary wireless interface Front to Door Host to FreightCam wireless communication
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Power

Internal Battery	19 Ah / 3.6V Lithium-Thionyl Chloride (SOCl ₂) Primary Battery
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Environmental

Temp, operation	-30°C to +75°C
Temp, storage	-30°C to +75°C
Ingress Protection	IP 69K per IEC 60529

Certifications

Communication	FCC, CE
Electromechanical	UL
Regional	RoHS Conflict Minerals

User Interface

LEDs	1x Status, 2x Infrared
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Size

Dimensions	~203 mm x ~81 mm x 50 mm
Weight	~0.5 kg

Technical Specifications (cont'd)

Installation

Mounting	Rear Swing or Roll Door or Internal Front Liner
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Powerfleet (NASDAQ: PWFL; TASE: PWFL) is a global leader of internet of things (IoT) software-as-a-service (SaaS) solutions that optimize the performance of mobile assets and resources to unify business operations. Our data science insights and advanced modular software solutions help drive digital transformation through our customers' and partners' ecosystems to help save lives, time, and money. We help connect companies, enabling customers and their customers to realize more effective strategies and results. Powerfleet's tenured and talented team is at the heart of our approach to partnership and tangible success. The company is headquartered in Woodcliff Lake, New Jersey, with our Pointer Innovation Center (PIC) in Israel and field offices around the globe. For more information, please visit www.powerfleet.com.