

Cargo Trak Pro

Cargo Container Intrusion Detection System

Honeywell Global Tracking's Cargo Trak Pro is a robust and cost-effective tracking and intrusion detection system that provides in transit visibility for cargo containers. Based on Honeywell Global Tracking's proven satellite tracking technology, the Cargo Trak Pro consists of two parts: a slim, self powered, low-profile satellite terminal designed to be mounted in the corrugations on a container, and an internally mounted sensor pack, containing a variety of sensors used to rapidly detect and report intrusion of the container.

The reporting rate of the terminal may be controlled through the ViewPoint application, and set to automatically change reporting rate on entry to a pre-defined geofence. Sensor thresholds, alarms and events may be reset or adjusted with an over-the-air command.

Cargo Trak Pro can be activated and de-activated remotely – disabling transmissions when not in use, which significantly improves battery life. A long-lasting rechargeable internal battery provides up to 5,000 position reports.

Cargo Trak Pro can be quickly and simply installed on assets using the integral magnetic feet on both the transponder and sensor pack – providing great flexibility when transferring the device between containers.

Cargo Track Pro is part of an end-to-end asset management solution:

- Remote satellite terminals
- A satellite airtime package to suit your needs
- A web-based application to track and monitor your assets
- Standard and bespoke user application software



Features

- **Low profile unit:** Can be mounted on stacked containers and fits in container grooves
- **Flexible:** The terminals can be mounted quickly onto assets using built-in magnetic feet
- **Rugged enclosure:** IP66 & IP67-rated terminal can withstand years of use
- **Highly accurate GPS reports:** Secure logging of precise positions
- **Reliable and Affordable:** Using robust and low-cost Inmarsat IsatM2M satellite network offers great value
- **Over-the-air configurable:** Allows adjustable reporting intervals and easy device activation/deactivation
- **Long-lasting battery:** Offers up to 5,000 reports at 15 minute intervals
- **Status LED:** Determine terminal status, battery and charging state with a quick glance
- **Multiple sensors:** Includes sensors for door open, light, motion/shock (accelerometer), temperature, humidity and tamper – enabling sophisticated intrusion detection applications

Cargo Trak Pro Technical Specifications

Physical	
Dimensions	Transponder Unit: 91 x 413 x 24 mm (3.3" x 16.2" x 0.9") Sensor Unit: 120 x 180 x 90 mm (4.7" x 7.1" x 3.5")
Weight	Transponder unit: 1.6 kg (3.5 lbs) Sensor Unit: 2 kg (4.4 lbs)
Mounting	Magnetic feet
Environmental	
Operating Temperature	Transponder Unit: -20°C to +60°C (-31°F to +140°F) Sensor Unit: -20°C to +70°C (-4°F to +158°F)
Humidity	≤95% @ +40°C (+104°F) non-condensing
IP Rating	Transponder Unit: IP66 & IP67 Sensor Unit: IP40
Sensors	
Door Sensor	Open/closed
Light Sensor	Wavelength: 300 to 1000nm Responsivity at 640 nm: 27.5 counts/lux 16 bit digital
Temperature Sensor	Range: -25°C to +85°C (-13°F to +185°F) Accuracy: +/- 2°C 8 bit digital
Humidity Sensor	Resolution: <1% Accuracy: +/- 5% 8 bit digital
Accelerometer	3 axis Bandwidth: up to 1.6 kHz Range: up to +/- 16g
Satellite Connectivity	
Transmitter	EIRP: 0-9dBW Modulation 2 level FSK: 20 Hz tone spacing Tx burst duration: 2s or 8s
Receiver	G/T: ≥-25dB/K at EL = 30° Modulation: 32-ary FSK, 20Hz tone spacing
Elevation Angle	0° - 90°
Frequency Range	Transmit: 1626.5-1660.5 MHz Receive: 1525.0-1559.0 MHz GPS: 1575.42 ± 1.0 MHz
GPS	Channels: 50 Typical time to first fix: Cold Start: <29 seconds Hot Start <1s (GPS was off for less than 2 hours) Typical position accuracy (SA Off): 2.5m (8ft) (CEP, 2D)
Power	
Rechargeable Battery	Number of reports: 5000 at 15 minute intervals
Charging	Via 12-way connector on transponder unit
Certifications	
Inmarsat Type Approved	Yes
FCC Compliant	Yes
EN60945	Yes
CE	Yes

For more information:

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