Internet of Things

Product Brief

Hanhaa's ParceLive™ Offering Brings Global Supply Chain Visibility To Shippers

ParceLive is a global shipment tracking service from Hanhaa that allows users to determine the exact location, condition and security of their consignment in real-time. Sensors in ParceLive trackers monitor location, temperature, humidity, orientation, shock, and box-opening. The scale and granularity of data collected enables supply chain optimization at an unparalleled level. ParceLive takes away the hassle of tracking goods-in-transit by offering a comprehensive solution that includes hardware, a strong mobile network, and a services platform. ParceLive's unique use and return model saves cost while providing global supply chain visibility and simplified management.

Watch Video:
Delivering Truth at Scale - ParceLive by Hanhaa

Benefits of ParceLive

- **Complete network visibility -** Real-time data-as-a-service on a global scale transforms the quality of supply chain information
- **Secure global network –** Connecting via the Hanhaa Mobile Platform ensures shipment related communications remain secure from sensor-to-server without ever crossing the public internet
- **Built-in return logistics –** International return license and dynamic address labels allow trackers to be returned easily and at no cost by dropping them in a mailbox after use
- **Network optimization -** Data compiled from the deployed trackers presents a reliable 'Truth at Scale'
- **Enhanced customer service –** Real-time tracking data from shipments always keeps the customer service team one step ahead
- **Dispute resolution –** Real-time tracking data helps resolve disputes related to shipping performance

ParceLive Offers Real-Time Tracking-as-a-Service

What is Tracked

ParceLive enables monitoring and tracking of six key data points on every shipment including:

- **GPS –** Monitor location with GPS accuracy, even from within warehouses
- **Temperature –** Track temperatures from -15^0 to +50^{0}C (5^0 to 122 ^{0}F)
- **Orientation –** Record which way the shipment is facing and if it is tilted
- **Humidity –** Monitor humidity from 0-100 rh
- **Shock –** Trigger an alert if any shipment undergoes freefall over 0.4 seconds
- **Box opening –** Verify that a shipment has not been opened. An alert is triggered when the tracker is exposed to more than 5.0 LUX (lumen per square meter)

"ParceLive fulfills a need that many of our customers have been asking for – total visibility across their global supply chain"

– Hellmann Worldwide Logistics

ParceLive: How It Works

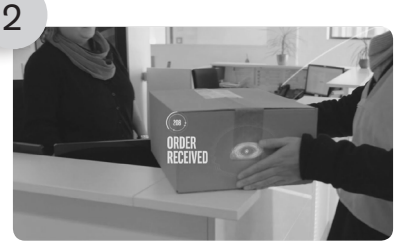
Insert Tracker

1

- Hanhaa sends refreshed trackers for user's shipment
- The on-screen barcode is scanned to link the tracker to a consignment
- Tracking is initiated by pressing the button on the tracker
- The tracker is placed by the user into their package and is shipped

Track Shipments

2



- The tracking device reports back in real-time to the user regarding location, condition and security of the shipment
- Alerts are sent when packages are outside a temperature or humidity range, or when they are dropped or opened

Return Trackers at No Cost

3

- When the package is received, the tracker is removed
- A button is pushed to terminate tracking
- The tracker is mailed back to Hanhaa without the need for postage

Seamless Implementation

Use cases for ParceLive tracking service include high-value goods, cold-chain for pharmaceuticals, and cross-border shipments. Real-time data from shipments can create a fully automated workflow for incidents relating to that shipment. Application Programming Interfaces (APIs) allow seamless integration of tracking data to existing processes and systems including:

- Customer Relationship Management (CRM) systems
- 3rd-party applications
- Enterprise Resource Management (ERP) systems
- Customer support services
- Other existing systems

Ordering Information

Contact Arrow for part numbers and ordering information.

Successful Deployments at Many Customers Including:

- DB Schenker
- Helllmann
- DS Smith

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HANHAA

Five Years Out

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