CT 5300

Advanced asset intelligence with integrated cargo camera.

The CT 5300 is a comprehensive asset intelligence device designed to save fleets time and money and reduce risk with advanced cargo insights. The solar-powered IoT device features an integrated cargo camera that helps enhance cargo visibility, improve load efficiency and increase asset security for DuraPlate trailers and 53' containers.

Enhanced cargo visibility

Go beyond simple cargo sensing with complete remote cargo visibility. See images when assets start or stop moving or, with door sensors, when doors open or close to verify load status and activity. Operations teams can also manually trigger images directly from the ORBCOMM Transportation platform

Improve asset utilization

Get your trailers and intermodal containers back in rotation faster and cut down yard visits by knowing which containers are available, reducing empty miles. Remotely verify load and unload progress, load shift, dunnage or cleanout.

Improved cargo protection

Review cargo custody, verify incident details and manage claims with image-based visual proof. Detect unauthorized access to deter theft and improve response time.

Verify load status and asset availability remotely

See what's in any asset at any time

Automated and manual image capture

Event triggers

Installs on vertical or horizontal corrugations

Advanced location tracking

Get uninterrupted visibility of assets moving along the supply chain. A turnkey solution, the CT 5300 includes a customizable application with powerful reports, dynamic dashboards, advanced analytics, remote management and more. Alternatively, customers can easily integrate data feeds into third-party systems via API.

Specifications

Physical specifications
- Dimensions
  - *456 x 106 x 31 mm*
  - *18.0 x 4.2 x 1.2 in*
- Weight: 1.3 kg / 2.9 lbs

Connectivity
- Global 4G LTE coverage; 3G/2G where 4G not available
- LTE bands: 1, 2, 3, 4, 5, 7, 8, 12, 13, 18, 19, 20, 25, 26, 28, 34, 36, 38, 39, 40, 41
- UMTS/HSPA+ bands: 1, 2, 4, 5, 6, 8, 19
- GSM bands: 850/900/1800/1900

Bluetooth Low Energy (BLE)
- BLE wireless sensor support

Antenna
- Built-in cellular, GPS/GNSS and BLE antennas

Constellations supported
- GPS, GLONASS, BeiDou, Galileo

Accelerometers
- Primary 3-axis digital accelerometer with customizable thresholds for motion detection
- Secondary accelerometer for advanced motion and shock detection

Integrated Camera
- 1MP ¼" monochrome CMOS image sensor
- 180° FoV lens
- 2 high power IR illumination LEDs

Sensors
- Ambient temperature sensor
- Tamper detection sensor
- Wireless door open/close sensor (optional, sold separately)

SIM
- MFF2, solderable SIM

Battery
- Lithium-ion battery recharged by integrated solar panel

Integrated cargo camera

Electrical
- 2.5W solar panel

Environmental
- Operating temperature -40°C to +75°C
- SAE J1455-rated
- Ingress protection: IP67 for dust and water

Mechanical vibration and shock
- Vibration: AAR S-9401, rail car body mounted
- Shock: MIL-STD-810H, ground material

Certifications
- Regulatory: FCC, IC, CE
- Other: IP67

CT 5300 image from inside a container

Although we strive to ensure accuracy in all of our published specifications, actual field performance can vary depending on a variety of environmental, installation and usage factors, as well as third-party factors such as cellular providers. The specifications listed are approximations, and do not constitute binding statements or modify the terms and conditions of purchase or lease including, but not limited to, product operational limitations and warranties. All specifications are subject to change without notice. Please check www.viachain.io to ensure you have the latest version of these specifications.

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Visit our website **www.viachain.io**

VIACHAIN™, an ORBCOMM® company, is a global leader in IoT solutions that deliver enhanced sustainability, cargo safety and operational reliability for logistics providers, trucking fleets and the world's largest shipping lines. Our pioneering technology transforms intermodal containers and trailers into smart assets to optimize efficiency and reduce risk. Providing real-time visibility and insights into location, condition, safety and route performance, our solutions enable fast reactions to disruptions. With more than 2M+ assets under management, VIACHAIN is where IoT powers smart supply chains.

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