
— ICE MONITORING SOLUTION

AirRanger

Built for the Field

Real-time ice merchandiser monitoring for smarter dispatch, stronger service, and better delivery economics.

AirRanger gives operators live visibility into merchandiser fill levels so dispatch teams can prioritize only the stops that truly need service. Stop guessing. Start routing smarter — and recover revenue that's been leaking silently for years.

30%**Lower Operating Expense**

Dynamic dispatch helps reduce avoidable last-mile cost.

26%**Higher Revenue per Delivery**

Service the right locations at the right time, not by static schedule.

20 min**Fast Install**

A streamlined hardware kit supports quick field deployment.

— THE HARDWARE

Rugged. Modular. Ready for the Field.

Every component was chosen for real-world durability — waterproof, ruggedized, and designed to keep working in the conditions you actually face.

SENSOR

LIDAR

High accuracy, no contact

CONNECTIVITY

4G LTE

+ external antenna option

WARRANTY

5 Years

Fail? We replace it free

INSTALLATION

20 Minutes

POWER

Ruggedized

MANUFACTURED

Arizona

Standard RJ45 cabling

Waterproof connector

US-domestic supply chain

LIDAR Sensing

Depth-sensing technology delivers accurate fill readings regardless of lighting or ice pack variation.

4G LTE • Rural Ready

Built-in cellular with optional external antenna — no store Wi-Fi required.

AirData IOT

8175 E. Evans Rd #12203
Scottsdale, AZ 85260 USA
602-618-4742
www.airdataiot.com

The information contained herein is subject to change without notice. Modeled scenarios compare static routing and demand-based replenishment. Results may vary.

HOW IT WORKS

Simple to Deploy. Powerful in Practice.

From unboxing to live data in under 20 minutes. AirRanger is designed for the people actually installing it — not just the people who spec'd it.

**Mount Sensors**

Modular LIDAR sensors install inside the merchandiser in minutes using standard mounting hardware.

**Connect Gateway**

Run RJ45 cable to the gateway. Power connector clicks in. No Wi-Fi, no IT tickets.

**Data Goes Live**

Gateway connects over 4G LTE and begins streaming fill-level readings instantly.

**Route Smarter**

Predictive analytics surface which locations need service and when.

AI-POWERED PLATFORM

The Management Platform That Thinks Ahead

AirData IOT is building ice-specific AI models that go beyond monitoring — combining real-time sensor data with weather, holidays, and historical demand to forecast fill levels before they become a problem.

AI-Driven Forecasting

Predictive models forecast fill levels per merchandiser using weather, holidays, and historical data.

Advanced Dashboard

Top-down business intelligence with real-time visibility across your entire network.

Installation Manager

Purpose-built for large-scale rollouts. Track deployments across hundreds of sites.

Smart Alerts

Summarized alerts that surface what matters. Power outage monitoring included standard.

Open API Access

Full REST API for programmatic access to device data, fill levels, and analytics.

Routing Integration

Connects with Route4Me, OptimoRoute, WorkWave, and other routing platforms.

EXTENSIBLE PLATFORM

More Than Merchandisers

The same modular hardware and platform extends to any environment where fill level, inventory depth, or asset presence needs to be tracked.

Ice Walk-In Bins

Monitor fill levels inside walk-in storage bins without opening the door.

Warehouse Pallet Counting

Track pallet counts and inventory depth across warehouse zones.

Bulk Storage & Silos

Measure fill levels in tanks, hoppers, and bulk containers.

Custom Applications

Configurable for a wide range of depth-sensing and presence-detection use cases.

AirData IOT

8175 E. Evans Rd #12203
Scottsdale, AZ 85260 USA
602-618-4742
www.airdataiot.com

The information contained herein is subject to change without notice. Product capabilities, service models, and deployment approaches may vary by customer environment and solution configuration.