

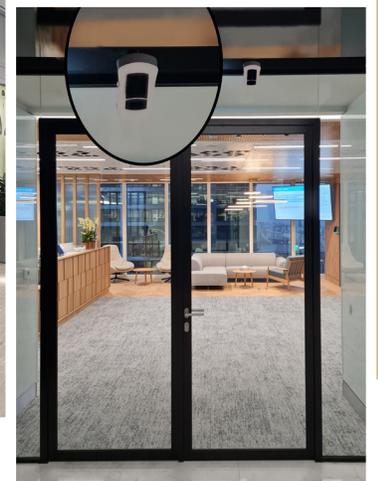


## DoorGuard 2.0™

Automated Tailgating  
Detection and Alert

In today's security environment, organizations face increasing pressure to balance stronger compliance requirements, rising staffing costs, and the need for frictionless access. Tailgating and piggybacking remain among the most common and costly breaches of physical access control, undermining even the most advanced credentialing systems.

As campuses, data centers, hospitals, and corporate offices scale, traditional guard staff and camera monitoring can't deliver the accuracy, scalability, or ROI required. The market demands an automated solution that ensures every credentialed entry is truly secure.



## THE CHALLENGE

Even the most advanced access control systems are vulnerable to tailgating and piggybacking. Once a credentialed user opens a door, unauthorized individuals can slip in behind them undetected. In environments like data centers, hospitals, universities, Class A offices, and transportation hubs, this creates serious risks: compliance violations, insider threats, and physical breaches. Traditional turnstiles, cameras, or guard staff can't always deliver the precision or scalability needed to ensure that every entry is truly secure.

## THE SOLUTION

DoorGuard™ is the industry's first overhead-mounted tailgating detection system—powered by LiDAR sensing, AI-driven video processing, and Orion's Nebula AI™ engine. Unlike conventional detection methods, DoorGuard™ sees from above, building a point-cloud visualization of every entry event and confirming whether only one person passed through.

The system integrates seamlessly with access control infrastructure through 6 programmable inputs, 14 relay outputs, or the Infinity™ RESTful API. It provides real-time occupancy counts, event logs, and diagnostics—all while maintaining an easy path for installation and future capability growth.

With a 99% accuracy rate and Orion's proven support, DoorGuard™ closes the tailgating gap and delivers true access control confidence.



# DoorGuard 2.0™ - Automated Tailgating Detection and Alert

## KEY BENEFITS

- Prevent Tailgating – AI-powered LiDAR ensures no unauthorized person slips through.
- Prove Compliance – Full event logging and audit trails at every secured door.
- Integrate Easily – Compatible with both legacy access control systems and modern API-driven platforms.
- Scale Across Facilities – Deployed in offices, healthcare, universities, transportation hubs, and data centers.
- Backed by Orion – Made in the USA, supported by Orion's legendary customer service and field expertise.

## HOW IT WORKS

- Overhead-mounted LiDAR sensor creates a point-cloud view of every entry.
- Nebula AI™ confirms single-person entry or flags tailgating attempts.
- Event data shared via hardware inputs/outputs or Infinity™ RESTful API.
- Operators can view occupancy counts, alarms, power usage, and diagnostics through Infinity dashboards.
- Configurable modes include Free Enter/Exit, Visitor Access, Security Disable, Grant Enter/Exit, and more.

## DEPLOYMENT OPTIONS & SPECIFICATIONS

DoorGuard™ can be deployed at any secured portal—main doors, data center entries, hospital wings, or transportation gates. Units integrate directly with access control and SOC operations.

- Input Voltage: 24 Volts
- Power Draw: 35W Nominal / 70W Peak
- Current Draw: 1.45A
- Consumption: 0.035 kWh
- Operating Temp:
  - Control Box: -40°C to 75°C (-40°F to 167°F)
  - Sensor: -20°C to 60°C (-4°F to 140°F)
- Inputs: 6 programmable (fire alarm, invalid card, pushbutton, access control)
- Outputs: 14 programmable relays, 24VDC aux power, LED indicator outputs, 8-ohm speaker
- Programming: USB flash drive, onboard hardwired modes
- Communication: RS-485, Infinity™ RESTful API
- Protections: Reverse polarity, anti-dimming regulator, built-in fire alarm response

A maximum of 3 DoorGuard™ units per 250W 10A 24VDC power supply. Power supplies sold separately.

## WHY ORION

Only Orion Entrance Control, Inc. delivers DoorGuard™, an AI-enabled LiDAR solution designed, built, and supported in the USA. For more than 25 years, Orion has partnered with the world's most demanding organizations—delivering security solutions across high-rise buildings, healthcare, higher education, energy, data centers, and transportation hubs. DoorGuard™ transforms access control from a checkpoint into a trusted layer of security—accurate, scalable, and future-ready.

Learn more at [www.orioneci.com](http://www.orioneci.com)

