

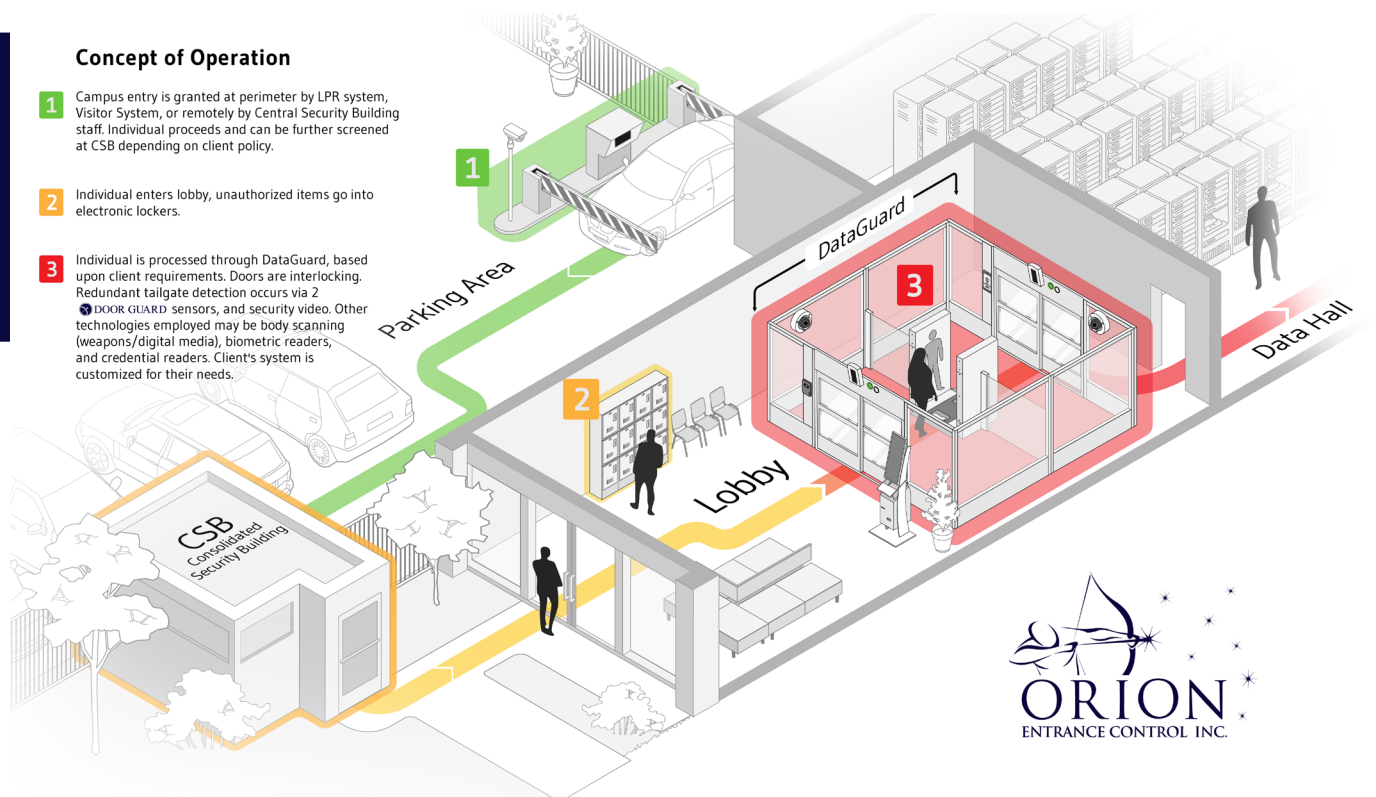
DataGuard™

Automated Security Screening for Data Centers

In the AI-driven era, data centers face explosive growth, tighter security demands, and rising security staffing costs. Traditional security checkpoints can't keep pace with the scale of 1GW+ campuses or the precision required to prevent tailgating and unauthorized access. DataGuard™ solves these problems by automating secure entry—ensuring that only authorized persons enter, reducing reliance on guard staff, and providing a scalable, ROI-positive solution. It is a complete innovation created, owned, and delivered exclusively by Orion Entrance Control and strategic partners.

Concept of Operation

- 1 Campus entry is granted at perimeter by LPR system, Visitor System, or remotely by Central Security Building staff. Individual proceeds and can be further screened at CSB depending on client policy.
- 2 Individual enters lobby, unauthorized items go into electronic lockers.
- 3 Individual is processed through DataGuard, based upon client requirements. Doors are interlocking. Redundant tailgate detection occurs via 2 DOOR GUARD sensors, and security video. Other technologies employed may be body scanning (weapons/digital media), biometric readers, and credential readers. Client's system is customized for their needs.



THE CHALLENGE

Demand is fueling explosive data center growth. Developers and operators are racing to deliver 1GW+ mega campuses, but physical security design often lags behind priorities like energy, cooling, and real estate. Security directors face challenges to reduce staffing costs, move SOC functions to the edge, and implement scalable, reliable access control for rapidly expanding facilities.

THE SOLUTION

DataGuard™ integrates eight best-of-breed technologies into one automated entry room. Unlike traditional mantraps or single-point solutions, DataGuard orchestrates body scanning, biometric authentication, video surveillance, asset storage, and Orion's own DoorGuard™ LiDAR tailgating detection into a seamless, self-service workflow. This is the industry's only turnkey solution designed specifically for data centers, engineered and delivered by Orion.

KEY BENEFITS

- Reduce Staffing Costs – Self-service entry eliminates the need for dedicated guard staff at every door.
- Increase Assurance – DoorGuard™ ensures no tailgaters or piggybackers slip through.
- Scale for Growth – Modular design adapts to single facilities or 1GW+ mega campuses.
- Prove Compliance – Event logging and audit trails at every access point.
- ADA compliant, emergency egress compatible, fully modular/customizable design.
- Orion Exclusive – Only Orion provides the DataGuard™ room concept, AI software, and full end-to-end delivery.

SOLUTION COMPONENTS

DataGuard™ combines Orion's proprietary AI + DoorGuard™ LiDAR technology with trusted partner solutions:

- Weapons & Digital Media Detection
- DoorGuard™ – Tailgating Detection (Orion proprietary AI/LiDAR)
- Visitor Management
- Biometric Authentication
- AI Video Surveillance
- Physical Barriers
- Secure Asset Storage
- Smart Touchscreen Intercom
- Access Control & Event Management

DATAGUARD™ INGRESS WORKFLOW OVERVIEW

- Credential verification at first door.
- DoorGuard™ AI confirms single-person entry (no tailgating/piggybacking)
- Body scan for weapons/digital media
- Biometric authentication
- AI-enabled video verification and event logging.
- Second door unlocks into secure data hall—DoorGuard™ reconfirms secure entry.
- Emergency egress supported by fail-safe design
- Access Control and Event Management
- All operations managed and monitored through Orion Infinity™ AI software

DEPLOYMENT OPTIONS & SPECIFICATIONS

DataGuard™ can be deployed as a centralized entry portal, distributed across campus lobbies, or retrofitted into existing security perimeters. Integration with access control system ensures seamless compatibility with SOC operations.

- Throughput: 2 persons per minute
- Dimensions: Customizable booth footprint
- Integration: REST API, hardware input/output
- Power: 110/220V standard

WHY ORION

Only Orion offers DataGuard™. The concept, design, AI-enabled DoorGuard™, and integrated solution delivery are proprietary to Orion. DataGuard helps transform security from a cost burden to a scalable, ROI-positive investment for data centers.

Learn more at www.orioneci.com

