

AVA

Autonomous Verified Access

Seamless Entry Solutions for HOA Communities

Managing access to your homeowners' association (HOA) community has never been easier or more secure.

Autonomous Verified Access (AVA™) replaces traditional guard booths with cutting-edge AI-driven technology, delivering 24/7 gate security that's smarter, faster, and significantly more affordable.

A New Era of Gatekeeping

Say goodbye to the inefficiencies of manual gatekeeping and embrace a smarter, more secure way to manage your community's access.

Eliminate Expensive Guard Costs – AVA provides continuous monitoring and access control at a fraction of the cost of manned security.

Enhance Security– Real-time threat detection, tailgating prevention, and proactive alerts ensure only authorized individuals gain access.

Streamline Visitor Management – Residents can schedule and approve visitor access with ease through the HOAP app.

Prevent Unauthorized Entry – AI-driven verification prevents tailgating by both vehicles and pedestrians.

Reliable Performance– AVA operates autonomously, even during network outages, thanks to its onboard database and redundant systems.

How It Works

Residents Pre-Approve Access – Using HOAP, homeowners create visitor profiles, set entry times, and issue digital passes.

AVA Verifies Entry – At the gate, AVA uses AI to authenticate visitors via QR codes, PINs, or license plate recognition.

Instant Authorization – Verified visitors are granted entry, while unauthorized attempts trigger instant alerts.

Seamless Integration with HOAP

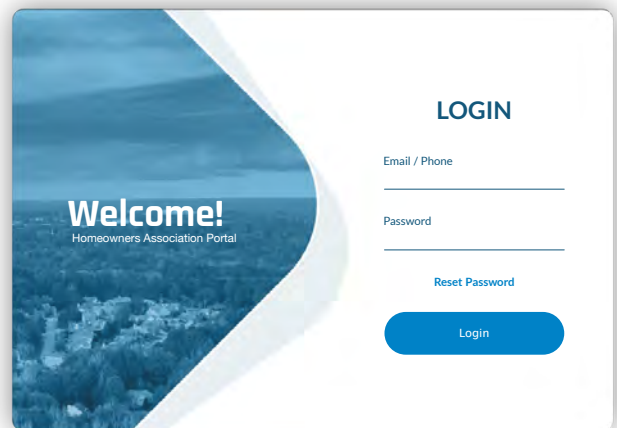
With HOAP's intuitive interface, residents and HOA managers can effortlessly manage community access:

Schedule & Approve Visitors – Homeowners can pre-authorize guests, contractors, and deliveries directly from their phone.

Real-Time Notifications – Receive alerts when visitors arrive or when unauthorized access attempts are detected.

Digital Visitor Logs – Easily track entry history for security and compliance.

Family & Household Member Management – Assign entry permissions to trusted individuals with just a few taps.



AI Surveillance and Tailgating Prevention

AVA goes beyond simple access control by actively monitoring for tailgating attempts. Whether by vehicles or pedestrians, unauthorized entry attempts trigger instant alerts and can be logged for security audits.

This level of surveillance ensures that only approved individuals gain access.



- AVA makes us look good

“The Foreign Trade Zones agent who was completing our audit today was delighted by the visitor management application and even took his visitor badge from check-in to add to our FTZ file, while making the comment, ‘this is how everyone should handle visitors.’”



The Intelligence Behind AVA Gen4

AVA Gen4 is the most advanced version yet, combining lightning-fast processing, AI-driven decision-making, and seamless 5G connectivity for hassle-free installation. With critical database elements stored directly on the device, AVA delivers uninterrupted performance—even without cloud connectivity—eliminating network headaches.

Unmatched Processing Power

With all-new NVIDIA Jetson hardware and entirely rewritten software, AVA processes access requests and security events in real time with unmatched speed and efficiency.

Optimized for Precision

AVA Gen4 verifies credentials, scans license plates, and detects unauthorized access attempts instantly. Its AI-driven anti-tailgating features—designed to identify pedestrians trailing vehicles or multiple vehicles attempting entry—set a new industry standard for gate security.

AI-Driven Efficiency

AVA's embedded AI engine continuously monitors video feeds, detecting risks like tailgating and unauthorized entry in real time. Its AI-optimized audio ensures crystal-clear communication, even in noisy, high-traffic environments.

Designed for Reliability

AVA Gen4 has been rigorously tested to deliver peak performance. With enhanced durability and redundant power systems, it ensures continuous coverage in any environment, operating seamlessly under a wide range of conditions.

AVA isn't just a security device—it's a next-generation system redefining gate access control. With unmatched processing power, AI-driven analytics, and nonstop reliability, AVA Gen4 delivers faster, smarter, and more proactive security for modern facilities.

Redefining Security, One Gate at a Time

180° Visionary

No blind spots, only clear views. AVA's edge-to-edge field of vision ensures nothing slips by.

AI Autonomy

Smart access control that never takes a break. AVA verifies entries using AI, from PINs to QR codes, eliminating human error and ensuring secure, seamless access for residents and visitors.

Plug & Protect

Installation is simple and fast. AVA requires only power and can be mounted on standard gooseneck pedestals, eliminating the need for network cabling.

Enhanced Security for All Gated Communities

Whether your HOA has on-site security or operates independently, AVA strengthens perimeter protection with AI-driven surveillance and instant alerts for unauthorized access attempts, including tailgating detection for both vehicles and pedestrians.

Always Alert

With cellular and Wi-Fi options, AVA's vigilance never sleeps, ensuring reliable security even in remote locations or during power outages. The latest version features an onboard database, enabling offline operations and ensuring seamless performance with greater reliability, no matter the circumstances.

Built for the Future of Security

AVA Gen4 isn't just designed for today—it's built to anticipate and adapt to the evolving demands of tomorrow. From cutting-edge hardware to intelligent design, it sets a new standard for what access control can achieve:

Effortless Maintenance: Advanced diagnostics with HMI controls and Grafana logs make it easy to identify and resolve issues remotely, ensuring maximum uptime with minimal effort.

Customizable Presence: Sleek RGB ribbon lights provide visibility and style, adapting seamlessly to any environment while enhancing operational aesthetics.

Streamlined Design: The all-in-one auxiliary box eliminates the need for bulky external components, simplifying installation and reducing infrastructure complexity.

Relentless Innovation: Every component of AVA Gen4 has been rigorously engineered and tested to deliver peak performance, offering unmatched reliability under any conditions.

With AVA Gen4, security isn't just smarter—it's prepared for whatever the future holds.



- AVA empowers our staff to be more productive
 "It's apparent that bringing RAD on as a solution provider was a great decision for us and our clients. We're now able to redeploy our guards to posts that require the human element and leave the boring, repetitive and dangerous tasks to the RAD robots."



RADGuard: Intuitive Control at Your Fingertips

The RADGuard™ touchscreen interface is the first point of contact for residents, visitors, and service personnel. Integrated directly into AVA, it delivers a seamless and user-friendly experience, ensuring secure and efficient entry management.

Key Features & Benefits:

Multiple Access Methods – Supports PIN codes, QR codes, and RFID credentials, providing flexible and secure authentication options.

License Plate Recognition (LPR) – Automates resident and pre-approved visitor entry with seamless, AI-powered vehicle recognition.

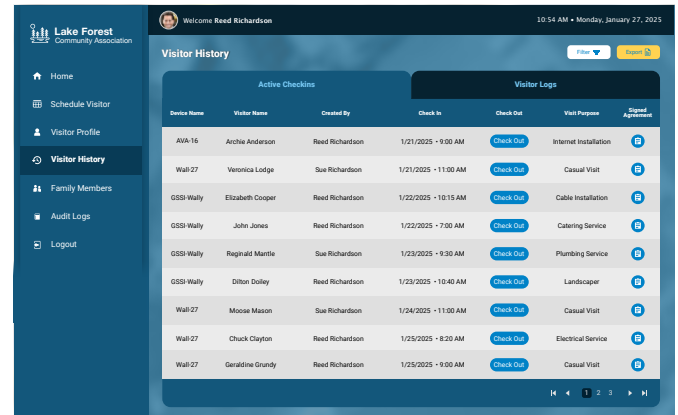
Two-Way Communication – Enables clear, real-time interaction between visitors and HOA administrators through AVA's enhanced audio system.

Live Access Updates – Displays real-time status updates, entry logs, and security alerts, keeping residents and HOA managers informed.

Customizable Permissions – Allows HOAs to set specific entry times and restrictions for vendors, contractors, and scheduled guests.

Seamless HOAP Integration – Syncs with the HOAP portal, giving residents direct control over their visitor approvals and household member access.

With RADGuard, gated communities gain an advanced, user-friendly access system that enhances security while improving the resident and visitor experience.



HOAP: Effortless Access Management

HOAP (Homeowners Association Portal) makes managing community access effortless and secure. Designed for efficiency, it simplifies visitor and resident entry while giving HOA administrators real-time oversight.

Key Features & Benefits:

Easy Resident Setup – Effortlessly add, update, and manage resident information, ensuring seamless access control.

Visitor Management Made Simple – Residents can schedule guests, vendors, and service providers with pre-approved digital passes.

Automated Entry Logs – Comprehensive visitor history logs provide clear insights into who entered and when, improving security and compliance.

Real-Time Alerts & Notifications – Stay informed with instant notifications when visitors arrive or unauthorized attempts occur.

Seamless Contractor & Vendor Access – Track and manage regular service providers like landscapers and pool maintenance crews with scheduled access permissions.

Audit Logs for Transparency – Monitor community access with detailed audit logs, ensuring accountability and security oversight.

Multi-Platform Access – Residents and HOA managers can access HOAP from any device, offering convenience and control from anywhere.

HOAP ensures a seamless, secure, and modern approach to HOA access management, eliminating the inefficiencies of outdated systems.

RADPack Gen2: The brain of the operation.

Enhanced with NVIDIA ORIN NX, this compute and control unit processes AI at lightning speed, making AVA Gen4 smarter.



AVA Gen4 Technical Specifications

Model	AVA Gen4
Imagers	2 x 5MP PTZ Cameras, 2MP Front Camera with WDR
Credential & ID Scanner	Driver License Parsing, Barcodes, and QR Codes

Environmental

Operating Temperature	-4° F to 135° F (-20°C to +57°C)
Ingress Protection (IP) rating	IP56 (Dust Protection, Water Resistance)

Audio Communications

Output	100W Moisture-Resistant Speaker
Input	AI-Optimized Noise-Canceling Mic Array with DSP

Mechanical

Weight	21.2 lbs (9.6 kg)
Dimensions	19.4x12.1x10.3 in (493x307x263 mm)

Display

Panel	10" LCD High-Definition Touch Screen
Ribbon Lights	RGB Neopixel Lights (Daylight Viewable)

Electrical

Operating Voltage	120 VAC @ 50/60Hz - Regulated Inside
Battery	LiFePO4 12.8V 3Ah Backup Battery

System

Main Processing Unit	RADPack™ Gen2 Processing Unit
Video Processing Unit	NVIDIA Jetson, ORIN NX, 16GB
Storage	2TB SSD

Connectivity

Type	4G/5G LTE/Wi-Fi
Remote Updates	Over-the-Air Updates and Remote Monitoring
Off-line Operations	Edge-Based Processing for Full Functionality

Delivering Security That's Smarter, Faster, And Always On Duty.



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