ROBOTIC
ASSISTANCE DEVICES

AVA™

Autonomous Verified Access

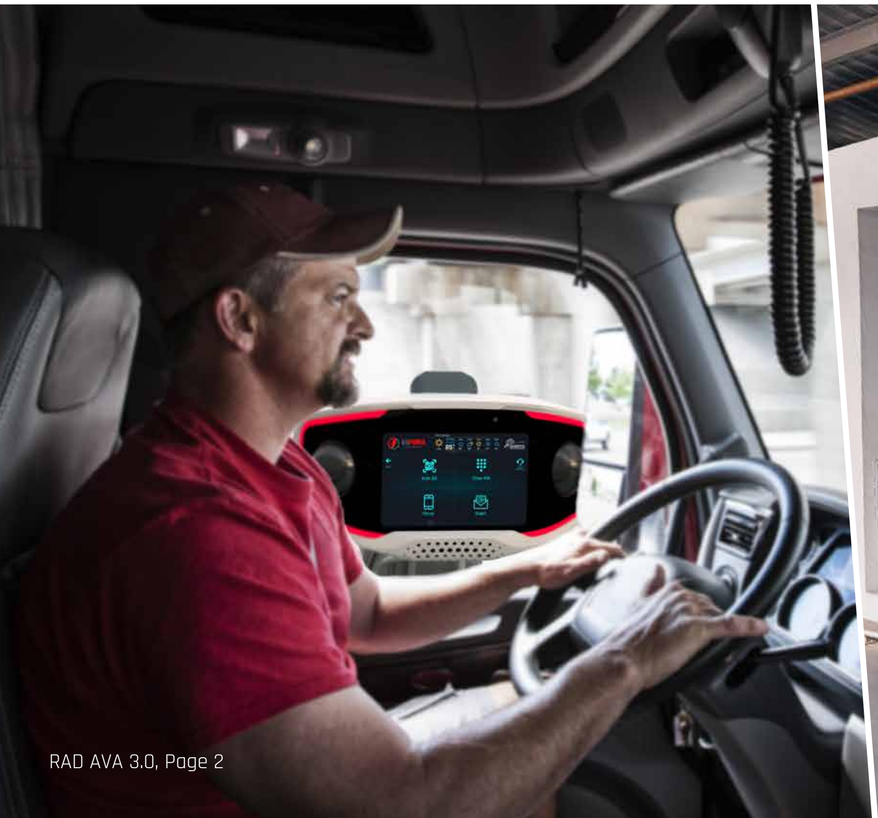
a wholly-owned subsidiary of
AITX
Artificial Intelligence Technology Solutions Inc.

Autonomous and Verified Access When and Where You Need It

AVA is a compact, stanchion mountable unit that provides an edge-to-edge 180° field of vision with advanced access control over gates and other controlled points of entry. As easy to install and scale as other RAD solutions, AVA deploys RAD's innovative artificial intelligence-based technologies to enhance an organization's situational awareness, communication, and access control.

AVA employs the power of RAD's AI analytic library to interact with vehicles and their drivers upon entry and exit of a facility's gated areas. AVA provides a comprehensive access control package that is ideal for storage yards, parking structures and lots, corporate campuses; anywhere that increased visibility is needed at a fraction of the cost.

Examples of AVA Verifying Access in Controlled Areas



The Ideal Solution for Your Controlled Areas

Plug and Play Gate Guard in a Box

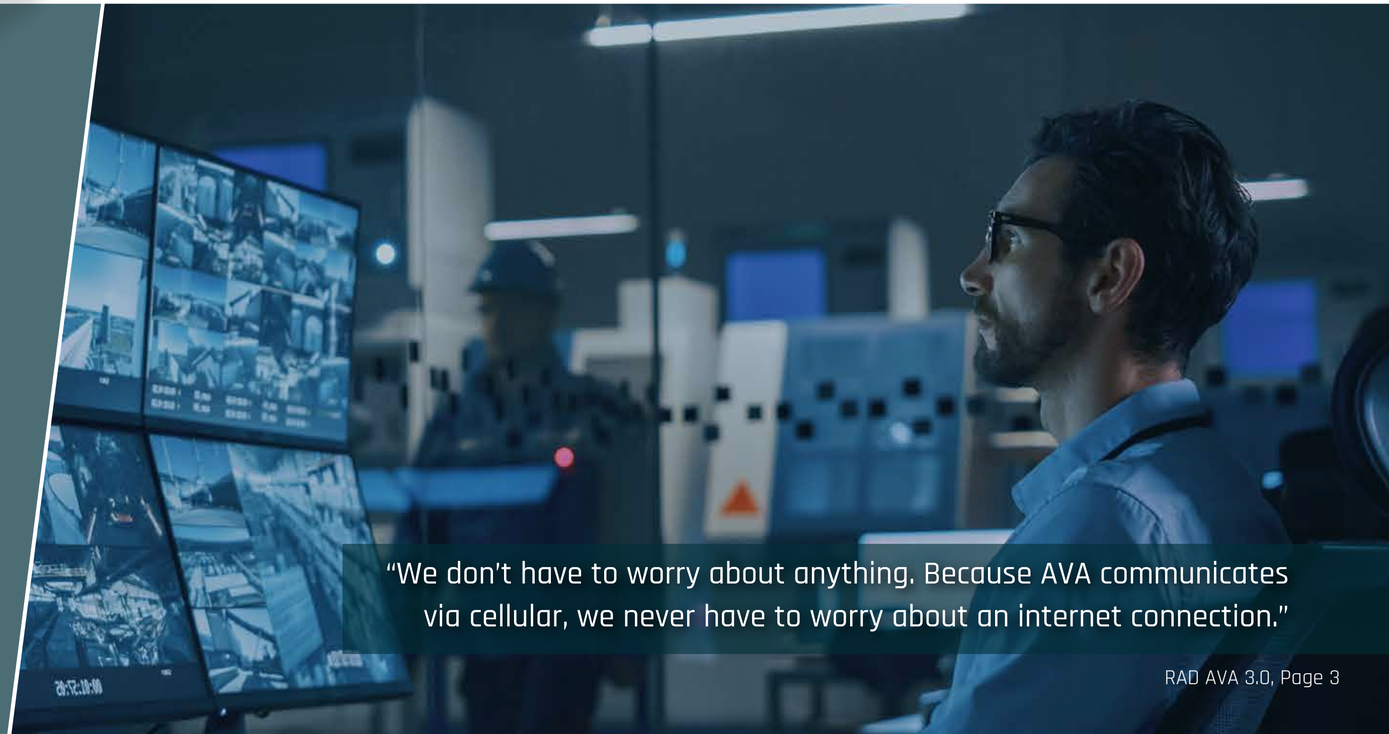
RAD has built an astonishing amount of intelligence and performance into AVA 3.0. Controlled Access has never been so easy, efficient, or affordable. In just about minutes, AVA will be professionally installed, powered by standard 110 VAC, automatically connected to RAD's cloud-based servers via 'enhanced cellular' or Wi-Fi - and linked to your controlled gates or access doors.

AVA ships standard with a variety of access verification methods, whether your preference is entering a custom PIN number, bar code, QR code, and more options. And if human interaction is required, AVA connects the driver, automatically or on-demand, with local or remote monitoring guarding staff.

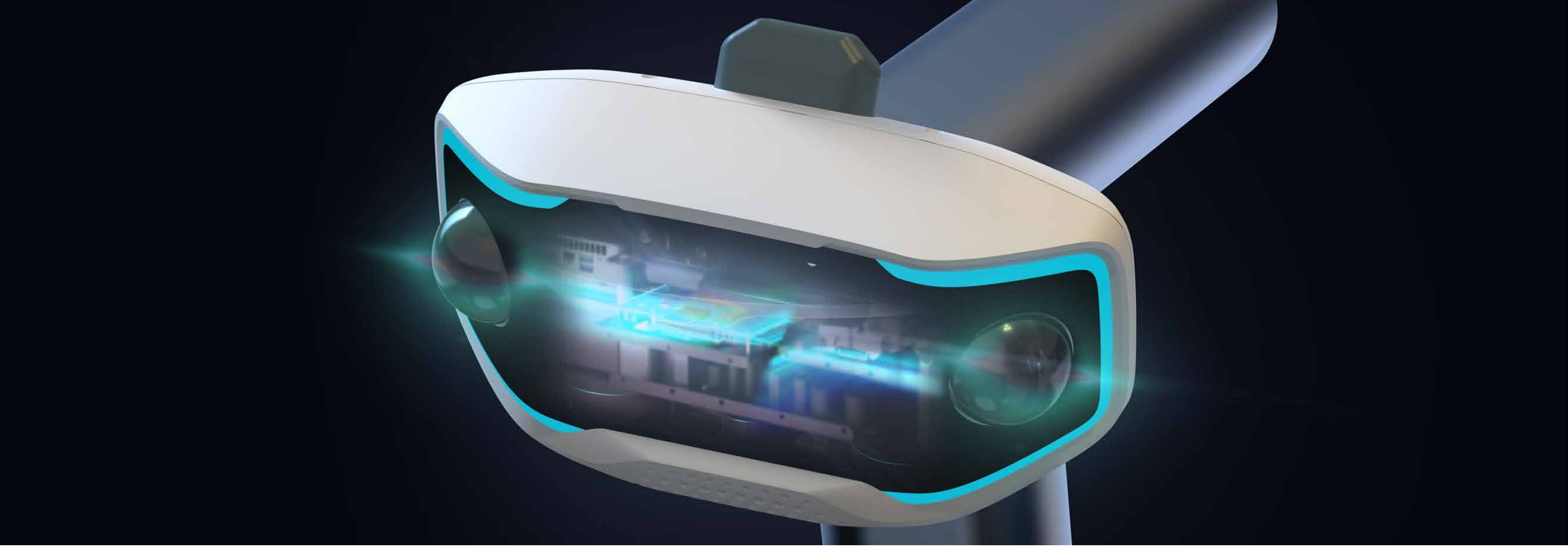
Part of Your Security Solution

It's become more challenging to recruit and maintain a staff of quality security guards. Businesses are rushing to discover cost-effective alternatives to rising guard costs and declining guard performance.

RAD's sole mission, which AVA 3.0 seamlessly delivers, is to arm smart businesses with tomorrow's autonomous remote services and AI-powered tools – today.



"We don't have to worry about anything. Because AVA communicates via cellular, we never have to worry about an internet connection."



RADPACK mini - For Robust AI

RAD delivers a massive boost in performance with the new RADPACK mini 'Compute & Control' hardware controller. Capable of handling even the most demanding AI analytics, RAD Pack Mini powers every aspect of AVA's real-time video, audio, autonomous response messaging and cellular-enhanced cloud communications.

Tucked inside AVA's sleek new design, and powered by RADPACK mini, are (2) high resolution, full color, always-on digital cameras, (1) 2TB HDD server and drive, (1) 100W marine-rated audio speaker, and enough battery backup storage to power the device for hours in the event of a power outage.

"RADPACK mini opens the door for robust functionality across the RAD product line with features that we have yet to conceive. It's really an entirely new platform for us to build upon. It's at the core of what I refer to as RAD 3.0, the next phase of RAD,"

- Steve Reinharz, Founder and CEO at RAD

- 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.'"

- A Real RAD Customer

- 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."

- RAD Authorized Dealer, October 2021

AVA video screen simulated

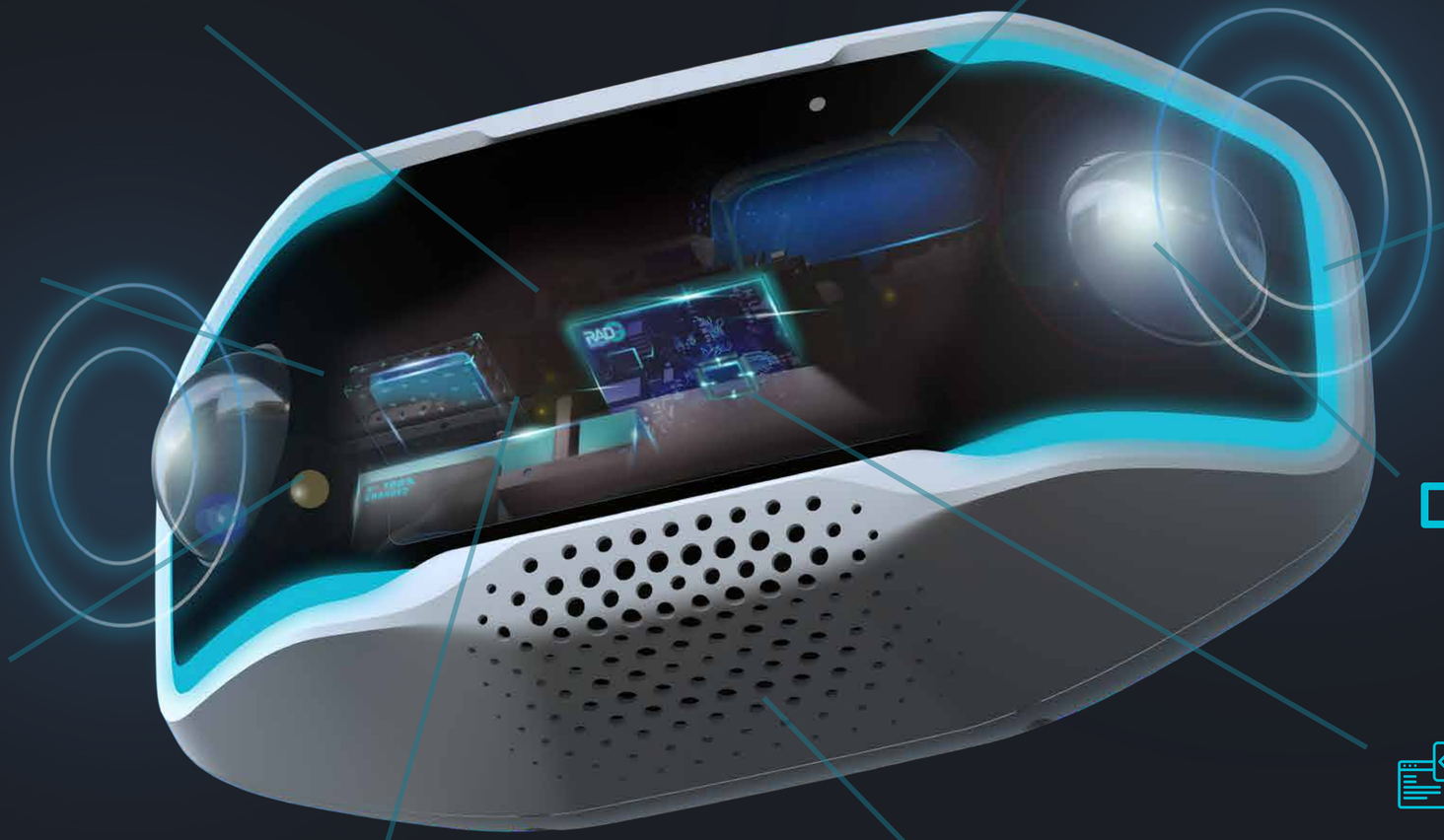
Tech Specs

RADPACK Mini
The Power Inside

Near Wi-Fi Quality
via Enhanced Cellular

2TB HDD
Backup Cloud

Customizable
Ribbon Lights



2 Cameras Providing
180° Field of View

Battery Backup

Customizable
Messages

10" LCD High Definition
Web-Connected Touch Screen

2-Way Audio & Video
Communication

STAN: AVA's Autonomous Stanchion

Let's face it, stanchions are not the most exciting piece of hardware on your property's grounds, in fact they've been a boring necessity - until now.

STAN is AVA's proprietary mount, entirely and autonomously controlled by AVA. When a driver approaches the unit's AI-driven intuition will determine the ideal height and reach to position AVA's touch panel and access verification options - accommodating nearly every vehicle. When the verification process is complete, AVA with STAN's assistance, returns to its resting position.

Leave it to RAD to turn the ordinary into electrifying.

AVA

Height Range: 53.2 - 100.0 in
1353 - 2540 mm

Reach Range: 16.0 - 41.3 in
417 - 1051 mm

STAN

RADSoC - Data at Your Fingertips on Any Platform

real time visibility

easy device customization

metrics

mobile alerts

incident data analysis

easily initiate audio ‘talk down’ through RAD device

customize autonomous response escalation

ROBOTIC
ASSISTANCE DEVICES
an **AITX** company

available from

PREMIER PROTECTIVE SECURITY INC

Premier Protective Security
800-775-0805
www.ppsinctn.com

877-78-ROBOT

info@radsecurity.com • www.radsecurity.com

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