GRIZZLY SYSTEMS

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DETECT WHAT MATTERS

WWW.GRIZCAM.COM

94% OF THE WORLD IS OFF-GRID

Conservation organizations and security agencies require dependable monitoring in remote areas, yet current solutions often fail in critical situations.

False Alarms

65%+ false positives flood systems, drain batteries and waste bandwidth.

Missed Events

22% of critical activity goes undetected--lost data and unseen threats.

High-Maintenance

60+ hours per quarter wasted on battery swaps, card retrieval and troubleshooting.

Dark Zones

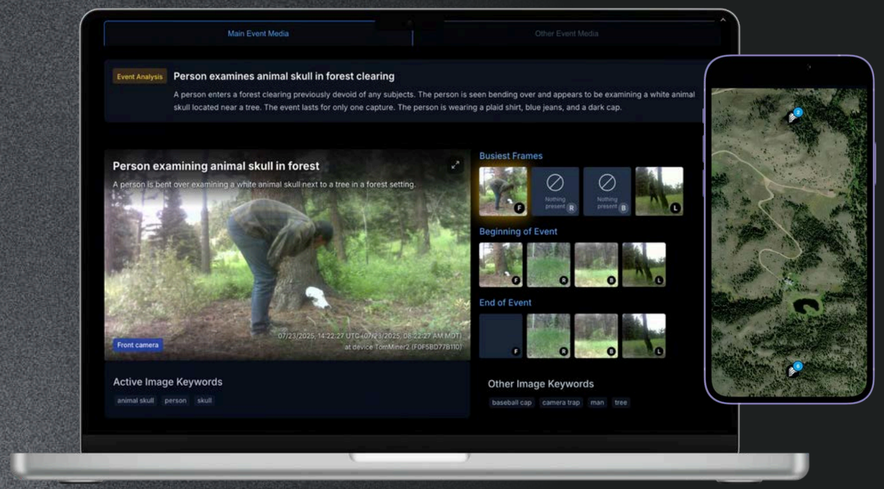
Cell-dependent designs go dark in dead zones; store-and-forward means “real-time” alerts arrive hours or days late—too slow to act.

Underperforming hardware drives higher costs and reduces reliability where it matters most.

SOLUTION: AIMS

Autonomous Intelligence Monitoring System

An intelligent, deployable sensor network for the remote world that turns motion, sound, and environmental data into verified, real-time signals—without relying on ground power or cell service.



GRIZCAM

The foundation of the AIMS network, delivering unmatched observational fidelity for conservation and security intelligence.

Autonomous Operation

Hands off management.

Multi-Sensor Fusion

360° visual, acoustic and environmental sensors.

Edge AI Processing

Only send what matters.

Infrastructure Independent

Deploy anywhere on the globe.

DECIDE HOW TO ACT

Real-Time Contextual Alerts

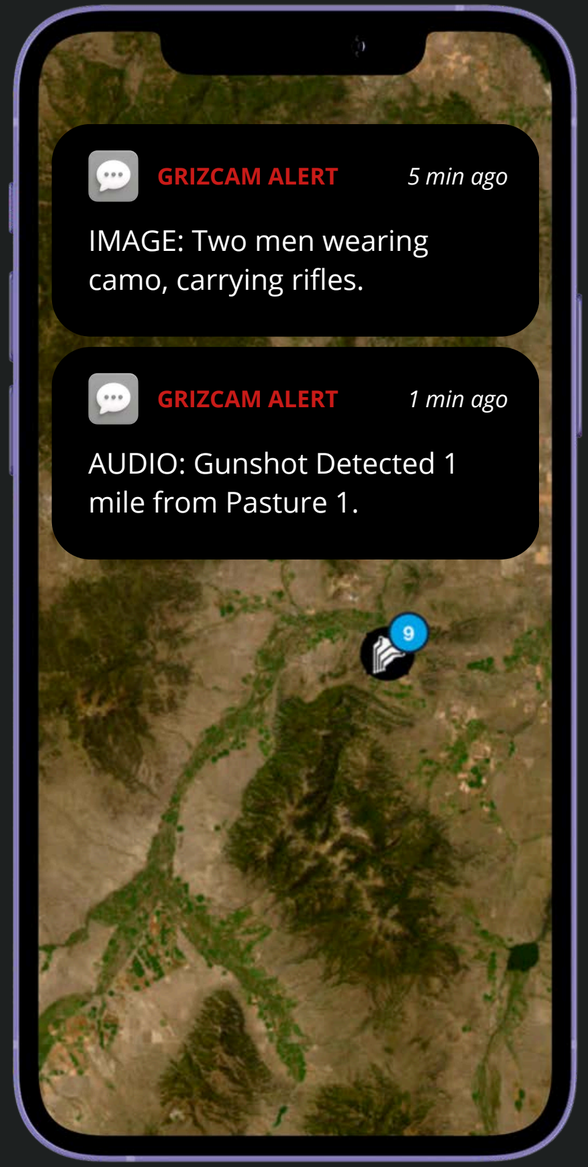
Who, what, and where; audio + 360° visual for instant verification.

Automated Responses

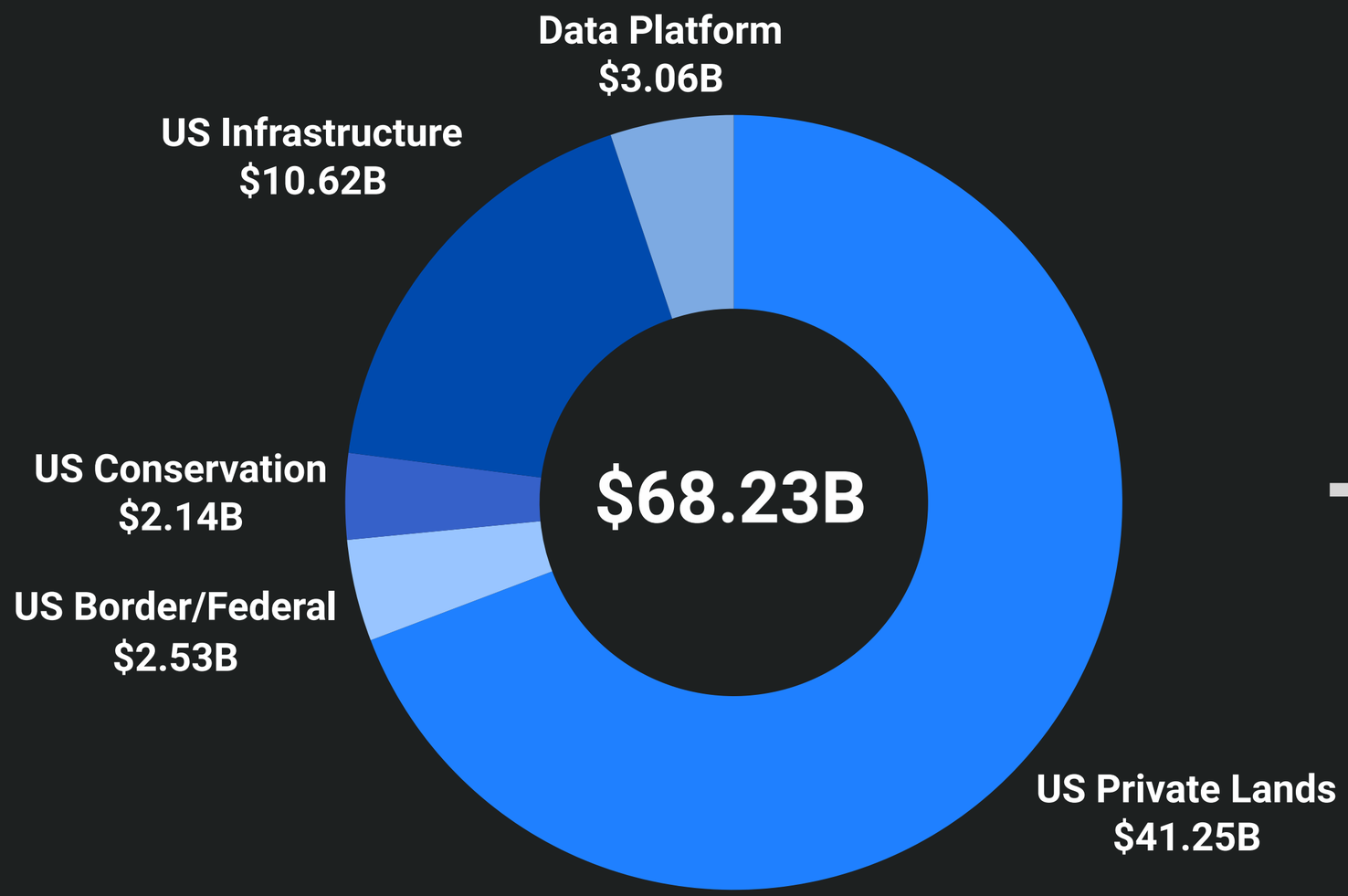
Rules trigger deterrents, lights, sirens, drones, or partner workflows via webhooks/API.

Insights and Reports

Species/incident trends, heatmaps, and effort-to-insight reporting for science and security audits.



MARKET SIZE


Data Platform
$3.06B
US Infrastructure
$10.62B
US Conservation
$2.14B
US Border/Federal
$2.53B
$68.23B
US Private Lands
$41.25B

BUSINESS MODEL

We're not in the hardware business alone. We're in the monitoring and intelligence business—hardware enables the data collection.

Hardware

One Time Purchase

Remote-ready units + site accessories sized to site density.

Software

Recurring per Device

Data Storage, AI Analytics, Custom alerts.

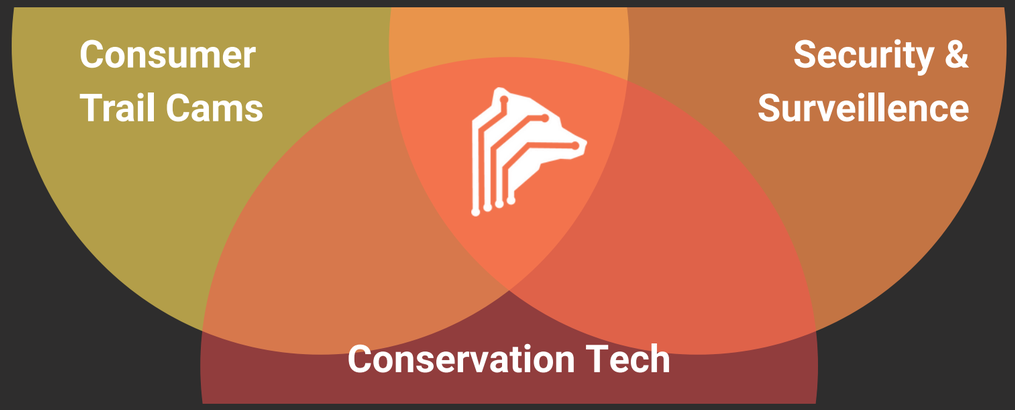
Data

Licensing

Tokenization, brokerage and analytics, platform optimization and lock-in.

POSITIONING

Low power, high accuracy AI alerts



Consumer Trail Camera

Reconyx, Bushnell, Browning

- **Strength:** Low-cost, low power.
- **Weakness:** Low capability. Narrow FOV, false positives, limited sensors, high maintenance.
- **Our Advantage:** Edge AI (accuracy), sensor stack (360° visual, audio, environmental), coverage, satellite/mesh connectivity options.

Security Surveillance

Anduril, Verkada, Buckeye, Google Nest

- **Strength:** Highly capable, proven at scale.
- **Weakness:** Infrastructure dependent designs, long procurement cycles, high cost.
- **Our Advantage:** Off-Grid optimized, cost advantage.

Conservation Tech

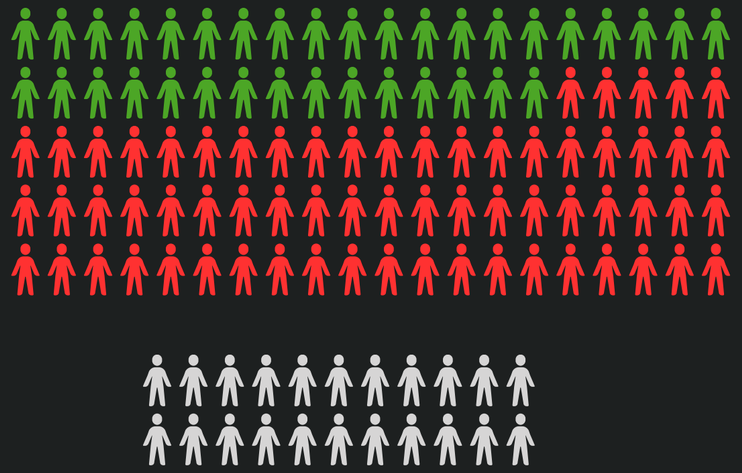
TrailGuard, Flox, Wildlife Acoustics

- **Strength:** Proven conservation focus and field-tested AI for detection and deterrence.
- **Weakness:** Single-sensor systems, limited real-time capability, and slow to evolve.
- **Our Advantage:** Dual-use positioning (conservation + security), multi-sensor superiority, faster iteration speed (startup vs. NGO)

A NUMBER$ GAME

Grizcam increases accuracy and confidence

Legacy Camera Trap



35 Accurate Detections

65 False Detections

22 Missed Detections

100 EVENTS

VS

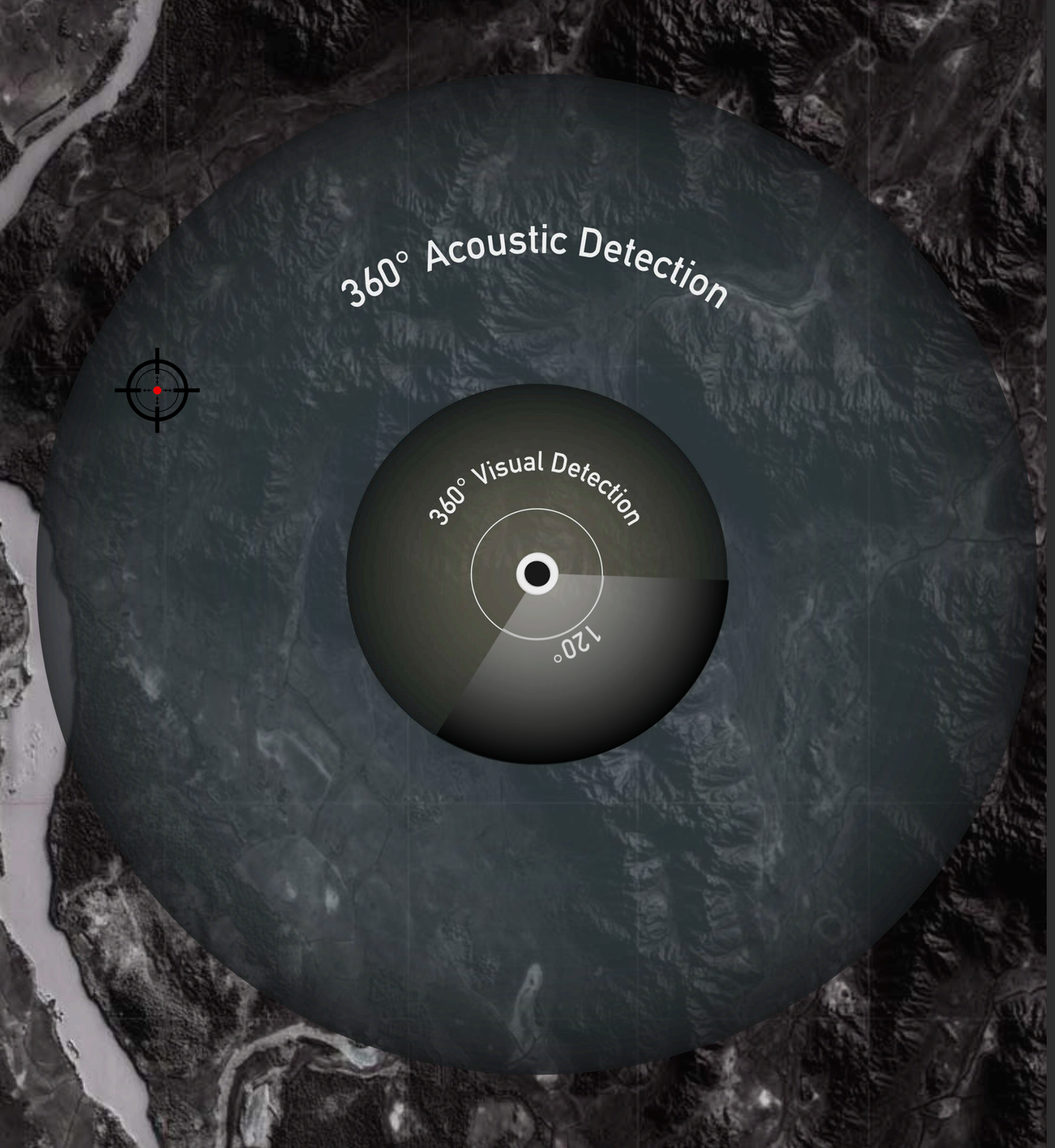
95 Accurate Detections

5 False Detections

4 Missed Detections

GrizCam

“We deployed 200+ existing systems and still had no idea what we were missing. GrizCam captured what others couldn’t—acoustic events, off-angle movement, and true behavioral context.”
— Dr. Dan Stahler, Yellowstone Wolf Project



SIGHT AND SOUND

Cover larger areas with less hardware and more sensory context

Legacy Trail Camera

- 120° Field of View
- 20M
- No Acoustic Detection

GrizCam

- 360° Field of View
- 40M
- 360° Acoustic Detection

ENVIRONMENTAL SENSING

GrizCam goes beyond sight and sound. Onboard sensors capture invisible signals for deeper context and awareness

Subsystem	What It Detects	Impact / Use Case
Gas Sensor	Smoke, exhaust, decay, human activity	**Early fire & pollution alerts** • Detect poaching, vehicles, or carcasses • Adds “smell” to situational awareness
Temperature / Humidity / Pressure	Heat, moisture, weather shifts	**Fire-risk prediction** • Microclimate tracking • Tune acoustic/visual sensors to weather
Air Quality	Pollution & respiration signals	ESG data • **Ecosystem health metrics**
Bearing / Magnetometer	Compass bearing, heading	Allows **acoustic localization** • Improves spatial AI
GPS + Time Sync	Position & timing	Precise event mapping • **Sub-second sync for sound-to-video accuracy**

TRACTION & PROOF

Field Tested

Yellowstone National Park Wolf Monitoring
18-month deployment: 95%+ detection accuracy, enabled breakthrough bioacoustic research.

→

Demand

On contract to deploy 100 GrizCam units from 2 customers with another 8 waiting on manufacturing.

→

Manufacturing Readiness

U.S. based contract manufacturer and supplier partnerships with Google, Microsoft, NVIDIA, T-Mobile.

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THE TEAM & KEY ADVISORS

Jeff Reed CEO

10+ years in bioacoustics, PhD in computational linguistics, 30+ years in electronic manufacturing--Avnet, Microsoft, T-Mobile, Arrow.

Cody Goldhahn CTO

10+ years in embedded systems engineering, chief GrizCam architect, generational Montana roots.

Kathryn Harrison President

Proven 0-to-exit founder (Magpie → acquisition), ex-IBM Blockchain exec, $30M+ enterprise sales

Ben Goertzen Marketing

Emmy-winning filmmaker, 10+ yrs in visual data and field ops, deep conservation and tech networks

Warren McNeel Senior Technology Advisor

SVP IT at T-Mobile, 30-yr telecom exec, led digital transformation for 130M+ customers

Dan Cox Senior Manufacturing Advisor

25+ yrs hardware manufacturing (Motorola), Six Sigma Black Belt, scale-to-millions expertise