

Boulder AI



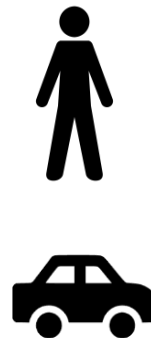
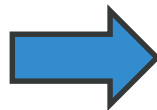
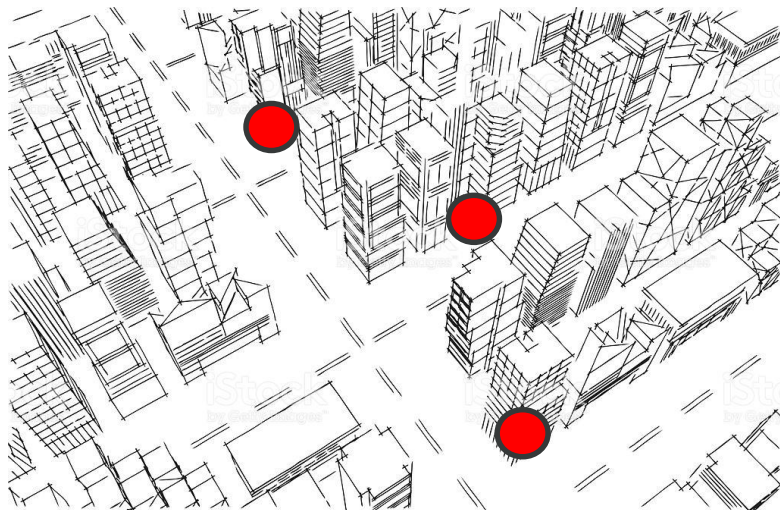
AI vision at the edge.



Boulder AI

Smart City

...





License Plate

HBT602 eu-hu

Vehicle Color

White

Vehicle Make

Iveco

Vehicle Type

Van-Full

Vehicle Orientatio



License Plate

LCQ635 eu-hu

Vehicle Color

Green

Vehicle Make-Mc

Toyota Aygo

Vehicle Type

Sedan-Compac

Vehicle Orientatic





Activity Monitoring



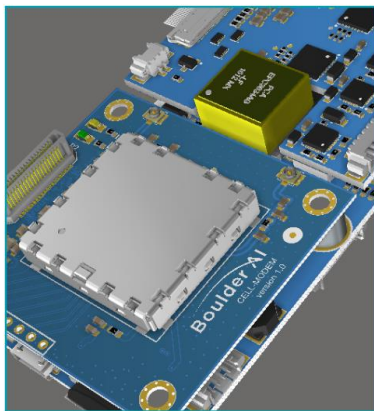
Average “Smart cam”: Count People



Edge-computing Intelligent Camera:
Detect Gestures and Activities



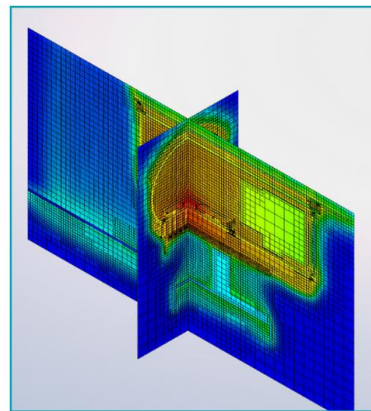
Boulder AI DNNcam



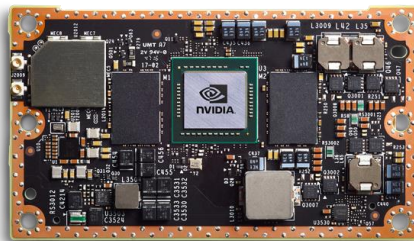
Stackable, modular architecture



Waterproof, dust-proof ready for outdoors

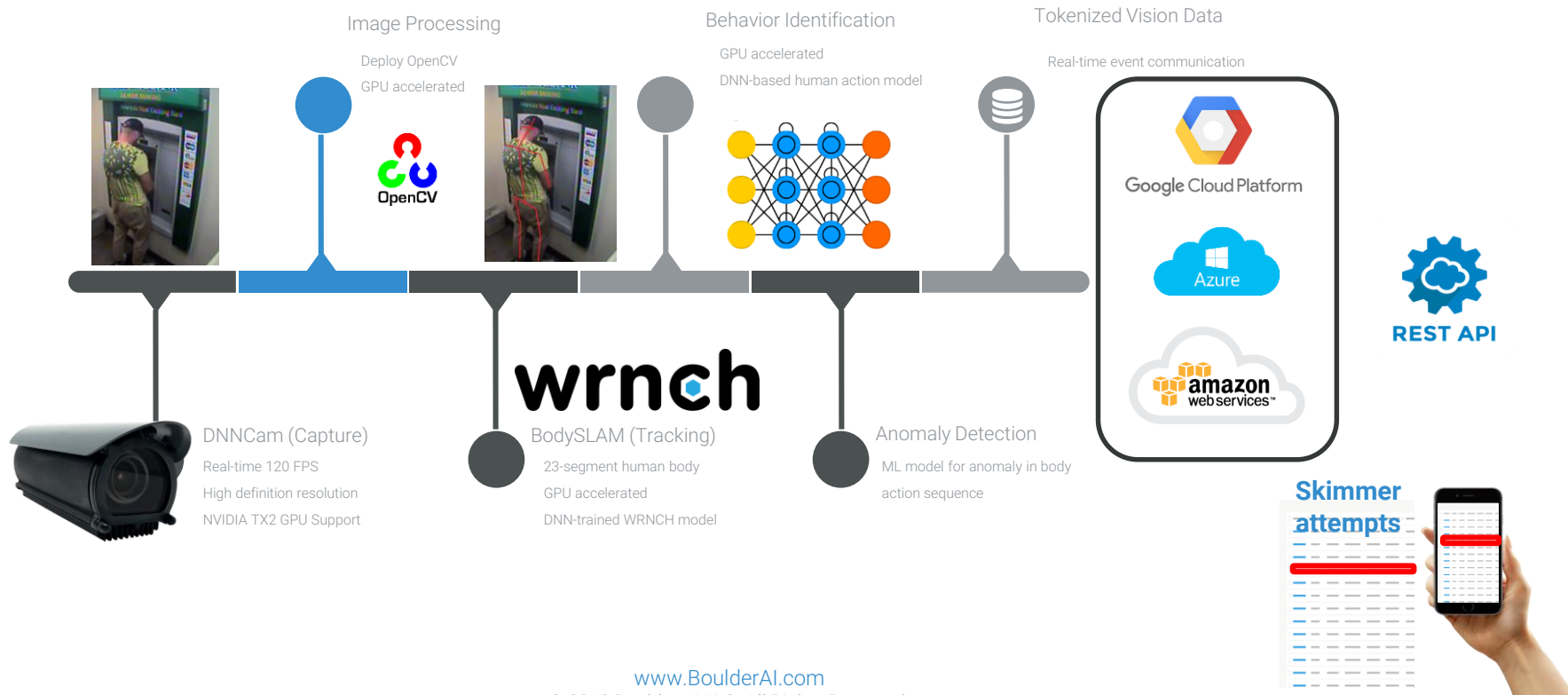


Passive thermal design. No fans, no moving parts.



BoulderAI Edge Platform

Enable Vision-as-a-Service (VaaS)



www.boulderai.com

Hardware and software components are integrated into a single platform optimized for video AI applications

The BoulderAI Edge Platform reduces the cost and complexity of designing, testing, and deploying the next-generation edge AI systems



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Backup

The Team



Darren Odom, CEO

History of building and running business. Product development, camera hardware development.



**Andy Goldstein,
Hardware Advisor**

Brought several hardware startups to production, decades of experience in design for manufacture.



David Soto

Lead cloud developer



**Dan Connors, PhD,
CTO**

Headed CU Denver's computer engineering dept. Well-published AI research, computer architecture and edge computing.



Jason Kilpela, CFO

Seasoned financial executive with 15 years of experience.



Len Strnad

AI and ML developer



Mostafa Amin

Embedded software engineer, camera drivers

Project Partners/Collaborators

...



View into the Blue



WrncH AI



KickView
Real-time AI



NVIDIA



Azure IoT
Lab



DeepvisionAI



RadiusIoT



Blinker

DNNCam Technicals

- **Camera:** 4k, 10-bit HDR, 60FPS
- **Lens:** motorized variable focus, zoom, iris, and IR filter. Low distortion, 4k resolution.
- **Comm:** Wifi 802.11AC, Bluetooth, CANbus, 2x USB3.0, Gb Ethernet, 2 Uarts, SPI, I2C, Satellite
- **Storage:** 32GB onboard flash + MicroSD expandable storage
- **Power:** 7-15W, 12-60V input for solar or industrial power.
- **External LED lighting:** Pulse synced LED lighting outputs with camera
- **Dimensions:** Approximately 2.5" diameter, 6" long
- **Environmental:** IP67 case rating, operating temp range - 20°F to 106°F
- **Passive Cooling:** No cooling fans to get fouled or damaged
- **Made for Developers:** DNNCam includes Nvidia TX2 module, widely supported by open source development community

