



Securing Schools: Leveraging Technology & Strategy to Enhance Campus Safety

Axis Communications, booth #14051

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What will it take to make schools safer?

- ✓ People
- ✓ Processes (including operations & policies)
- ✓ Facilities
- ✓ Layers & redundancy
- ✓ Situational awareness & collaboration
- ✓ Integrated technology



People

- ✓ Who's on campus?
- ✓ Why are they here?
- ✓ How did they enter?
- ✓ When did they leave?
- ✓ Who has responsibility?



Processes (including operations & policies)

- ✓ Protocols?
 - Written, trained, drilled & followed
- ✓ Consistent?
 - Implementation, response & review
- ✓ Monitoring?
 - Ensure proper access to approved areas with ability to track

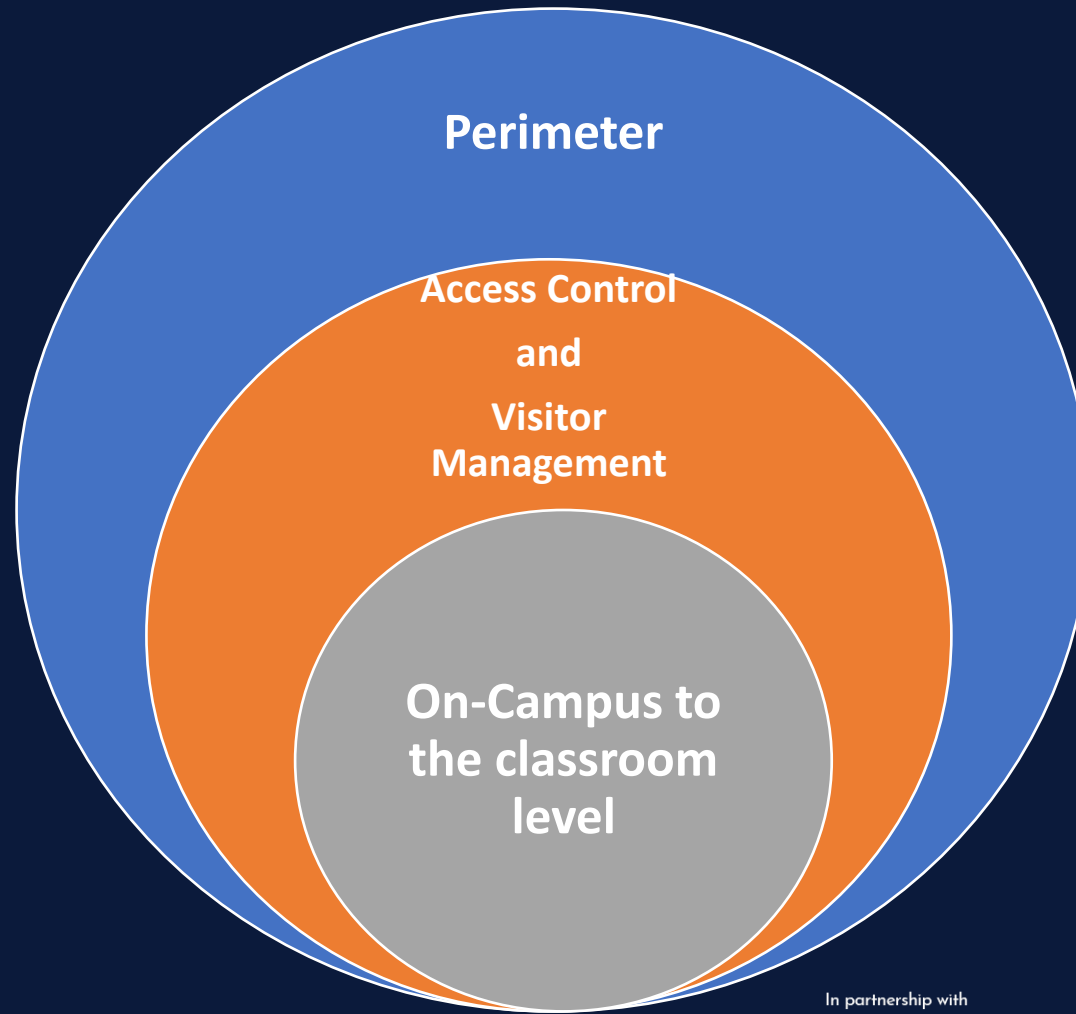


Facilities

- ✓ Utilities?
 - Monitoring, alerting, mass communication & responding
- ✓ Life safety?
 - System testing, response & communication
- ✓ Network/IT?
 - Proper management & failures addressed
- ✓ Access control?
 - Functioning, alerting & lockdown



Layers & redundancy



Situational awareness & collaboration

- > Students
- > Staff
- > Community
- > Law Enforcement
- > Emergency Responders

Examples of situational awareness aided by technology

Movement on Campus

- > Student gatherings
- > Intrusion
- > Physical altercation

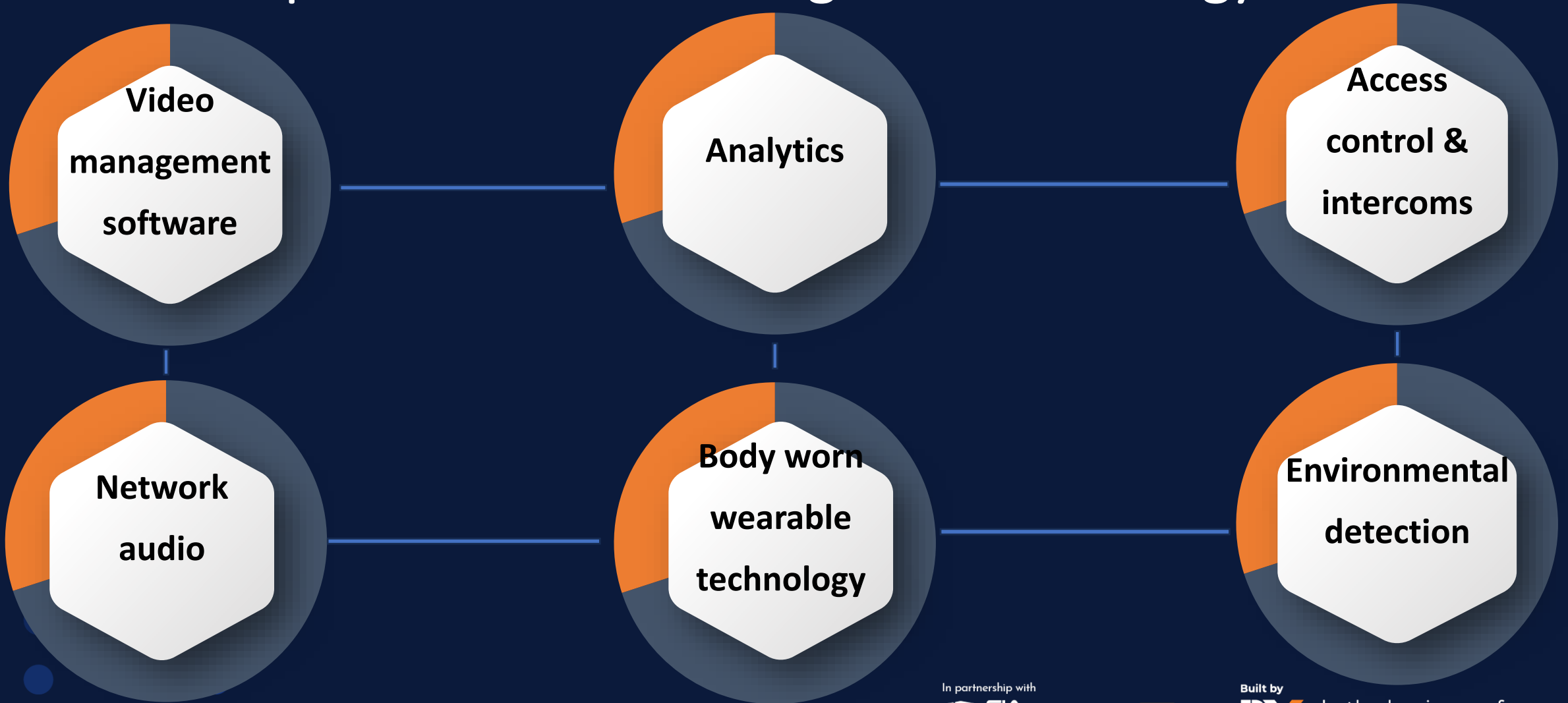
Operational Efficiency

- > Communications
- > Drive line
- > Bus loop

Weapon Detection / Identification

- > Detect
- > Notify
- > Respond

Open architecture integrated technology



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Video management software

Use customtext search or to find any moving object

Fully customize
your search

Object characteristics ✕

Pre-classified Visual similarity Free text

Include

Construction worker with backpack ✕

Exclude

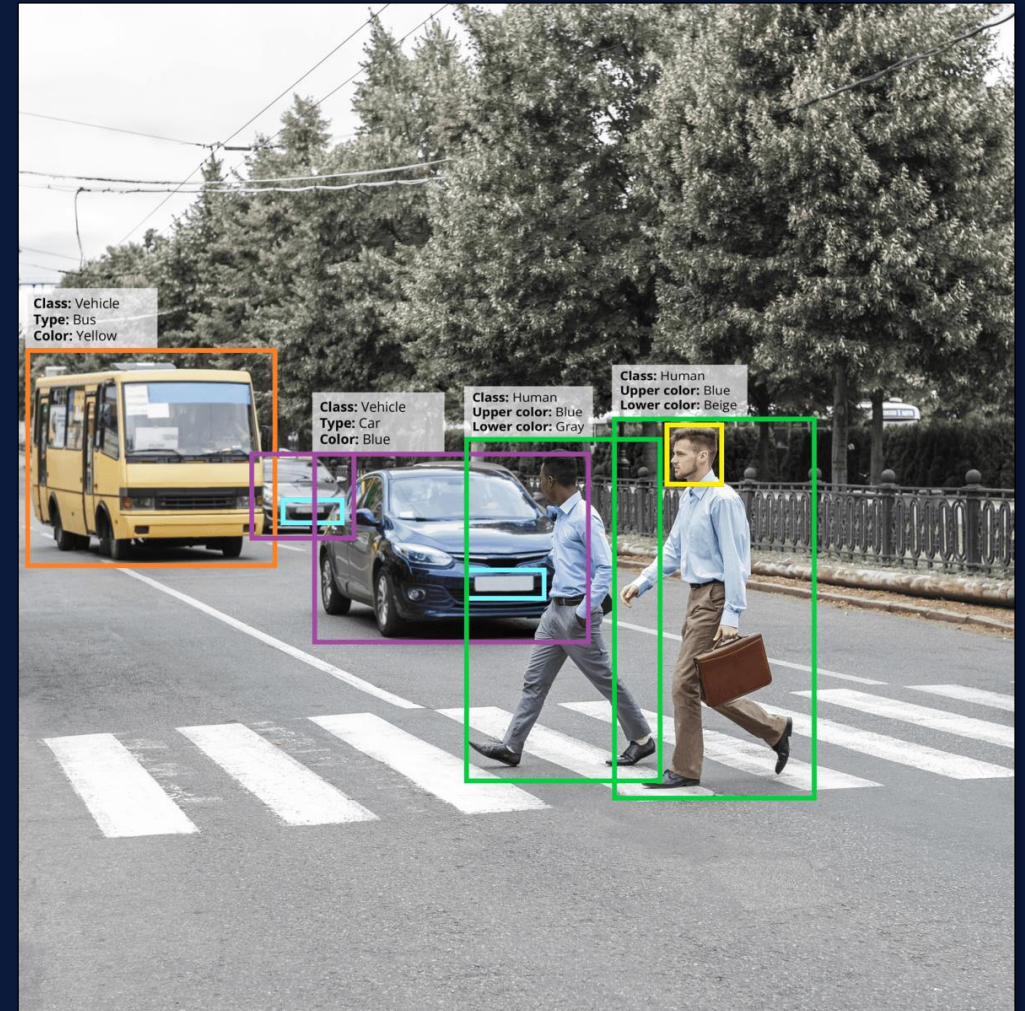
Enter what to exclude



Search for
brands and
logos

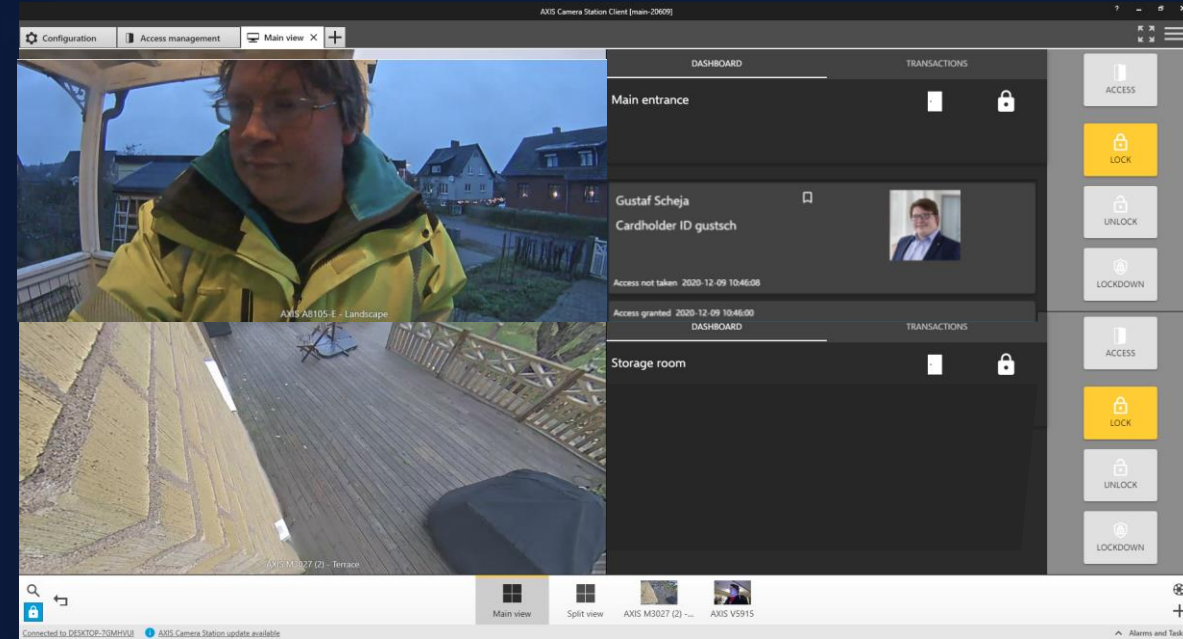
Analytics

- ✓ Detect unusual activity
- ✓ Perimeter protection
- ✓ Verify license plates
- ✓ Count objects & people
- ✓ Monitor queue times
- ✓ Facial detection
- ✓ Privacy shielding
- ✓ Reduce video event search time
- ✓ Automatic notifications



Access control & intercoms

- ✓ Secure doors & manage visitors
- ✓ Allow temporary access
- ✓ Pair door events with video
- ✓ Induction loop capability for hearing impaired visitors
- ✓ Live status of doors
- ✓ Audit trail reporting
- ✓ Remotely control doors
- ✓ Administer lockdowns



Network audio

✓ Network Display Speakers

- Custom synchronized messaging
- Mass communication & bell schedules
- Strobe & text display
- Motion detection to allow for low power consumption & intrusion alarm connection point



✓ Network Strobe Speakers

- LED colors & 2-way communication
- High decibel omni-directional speaker
- PoE pass-through
- Leverage audio analytics
- Hearing & visual impaired applications



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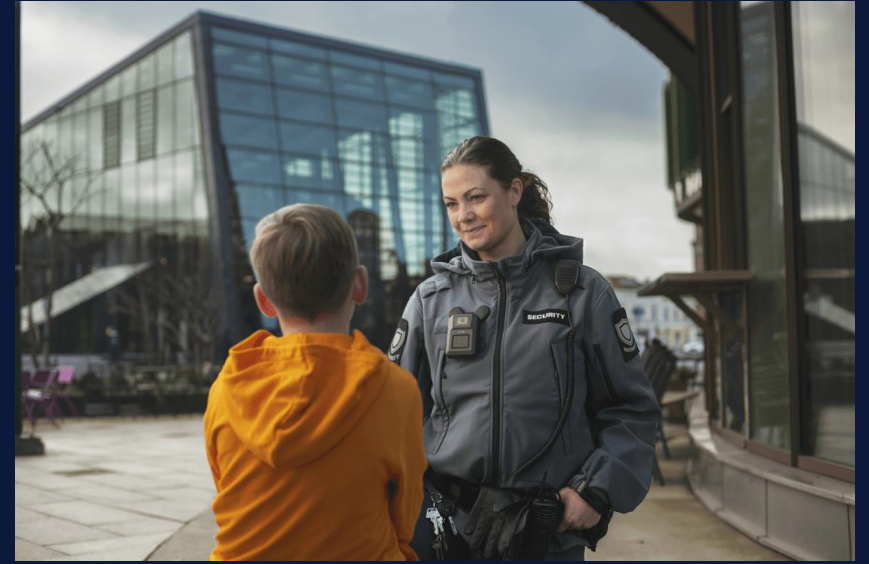
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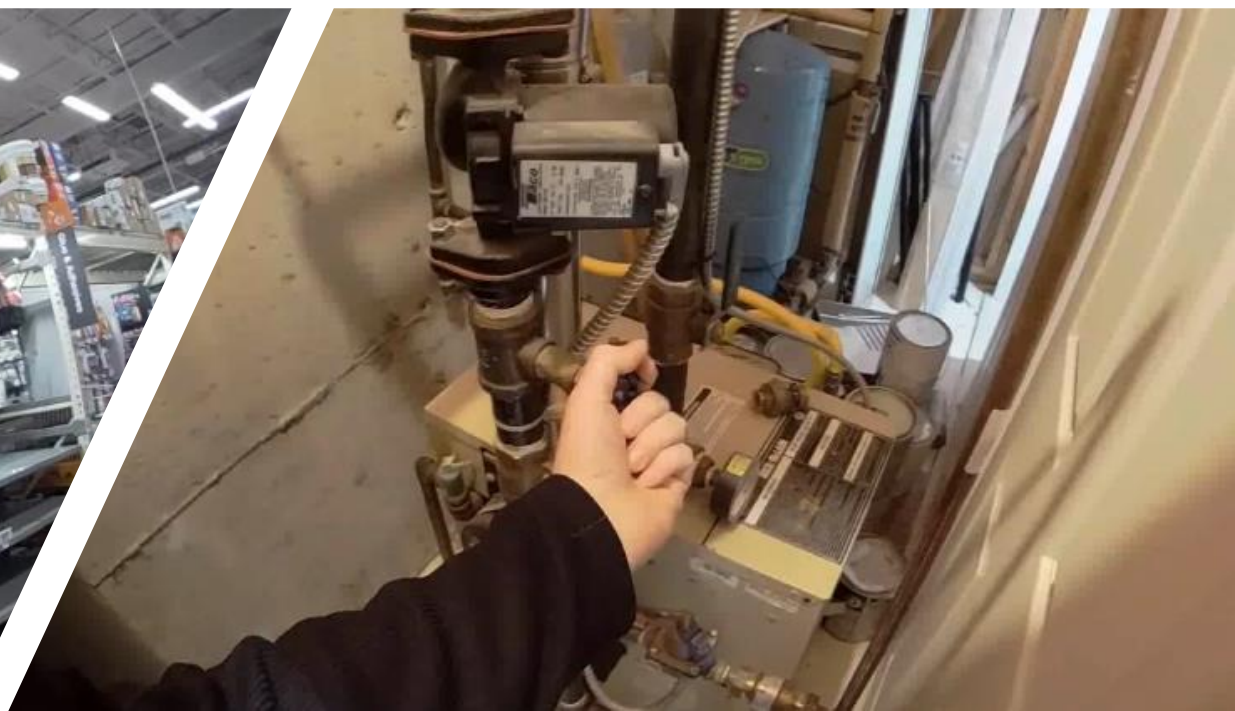
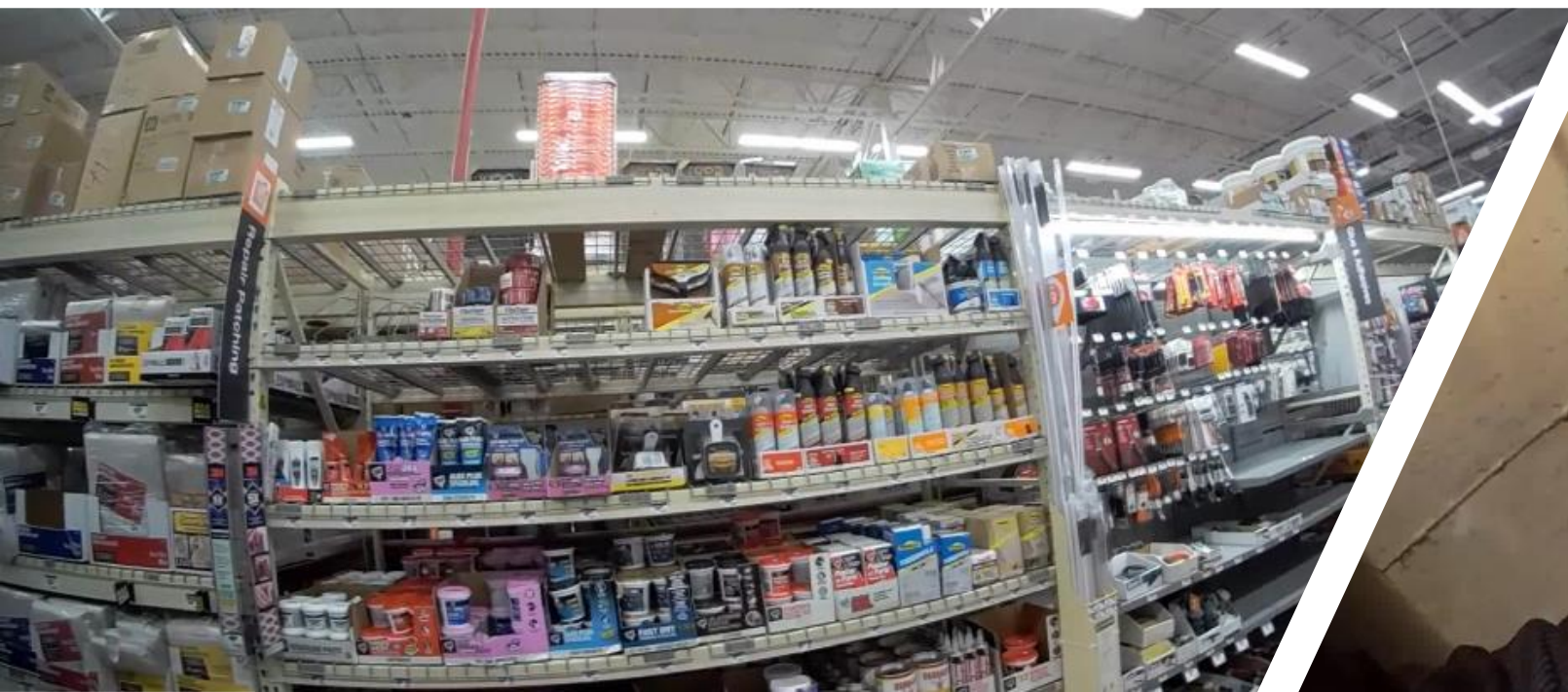


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Body wearable technology

- ✓ Not just for law enforcement
- ✓ Campus & education applications
 - Deter bad behavior
 - Attendance officers
 - Vehicle operators
 - Verification & proof of service
 - Uniformed guard personnel
 - Integrate with in-car solutions
 - Training for new staff & situational response
 - Integrated with local law enforcement systems
 - Investigative software & proper documentation
- ✓ Request a video quality demonstration






Environmental detection

✓ Air Quality Sensors

- Measure environmental data
- Humidity
- Temperature
- Volatile organic compounds
- Carbon dioxide
- Vape detection
- No separate IP address needed, when paired with a camera



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Thank you!

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