



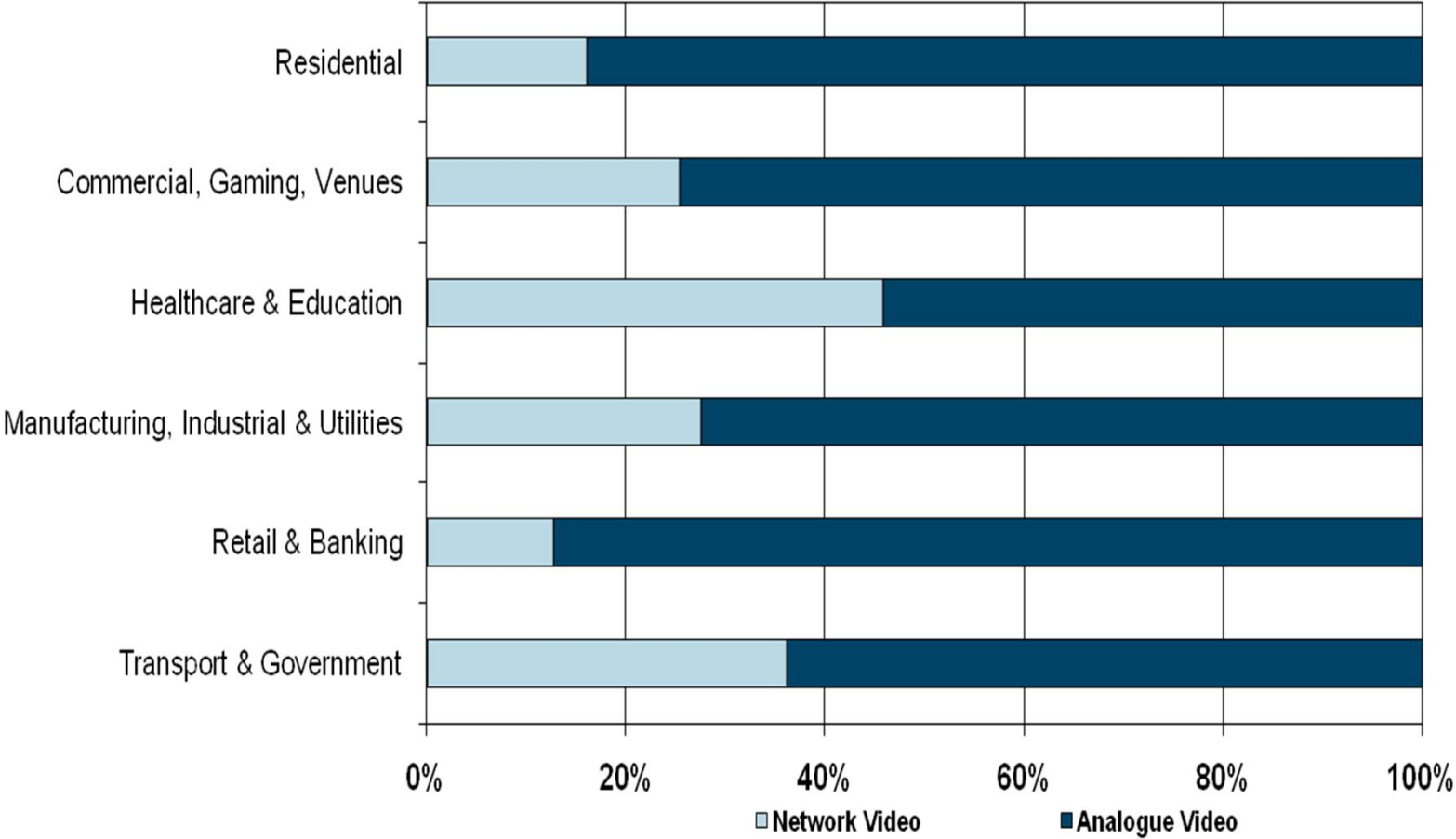
## Trends and Drivers in the Security Industry

**Bob Dolan, RCDD**  
**Regional Security Executive**  
**Anixter**

March 3, 2011  
Atlanta, GA, USA



# Convergence Rates by End-user Industry 2009



Source: IMS Research





## ONVIF – Open Network Video Interface Forum

- Founded 2008 by Axis, Bosch and Sony
- An open industry forum for the development of a global standard for the interface of network video products
- More than 200 industry members
- More than 300 conformant products released by members
  - Axis Communications
  - Bosch
  - Genetec
  - Sony, and another 39 companies
- [www.onvif.org](http://www.onvif.org)

# ONVIF

Driving network video through global standardization





## Megapixel and HDTV Video Quality

### SMPTE HDTV standard:

- Resolution
  - 1280x720 in 16:9 format, SMPTE 296M (720p)
  - 1920x1080 in 16:9 format, SMPTE 274M (1080p/i)
- Full frame rate @ 30 fps
- Wider color spectrum than standard TV

Better color  
representation

Guaranteed resolution

Full frame rate

Wide screen format





# Max Wide



4CIF/D1



HDTV 720p



35x zoom max tele

18x zoom max tele



4CIF/D1

HDTV 720P

Actual images

Note: If this image is used outside Axis, the number plates must be hidden from view.





## Intelligence at the Camera Level – Examples

- Active Tampering Alarm
- Detects re-direction
- Detects blocking
- Detects covering and spray-painting
- Accidental or intentional disruption

Automatically alerts the operator when normal camera operation is disrupted





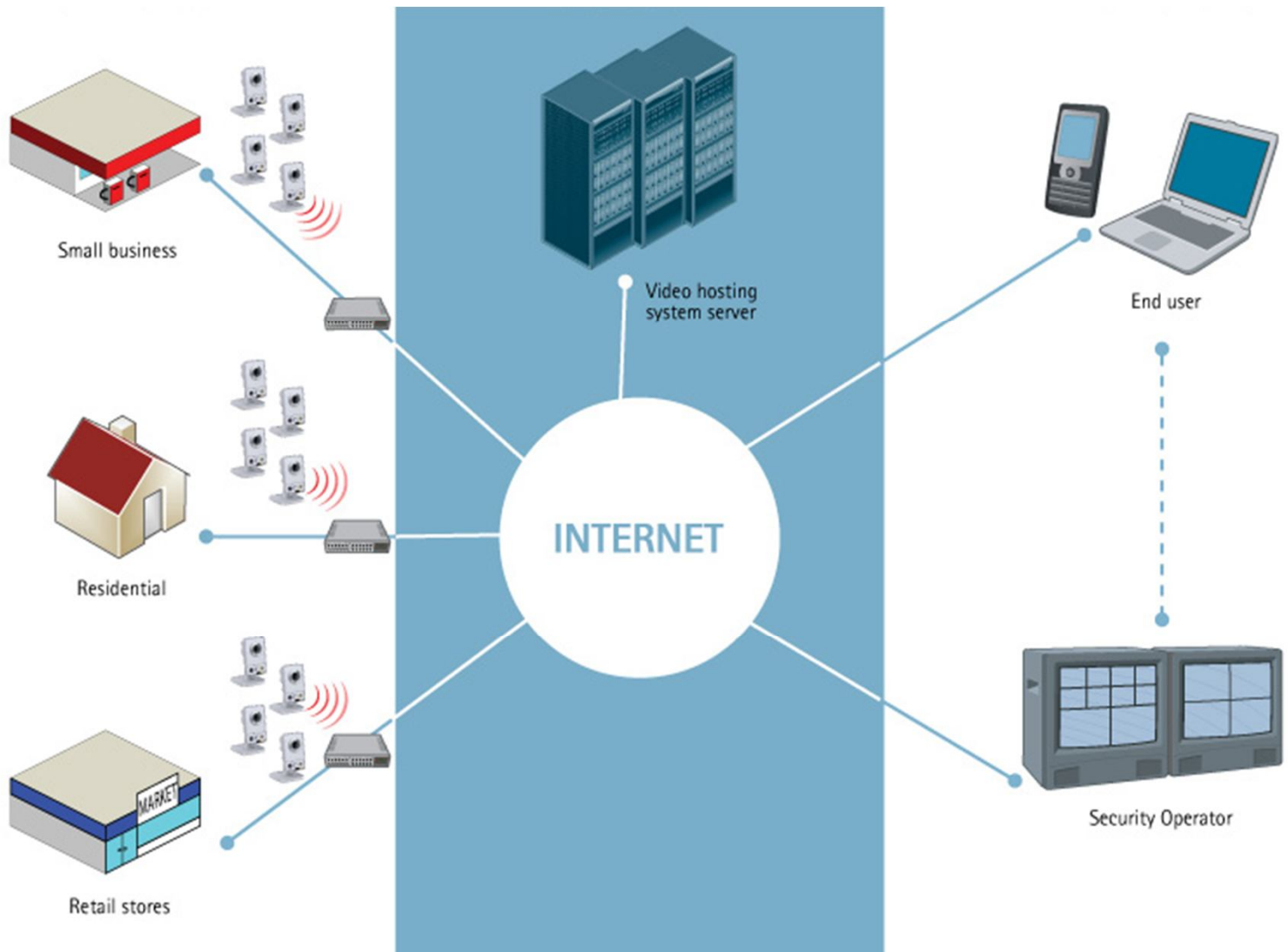
## Intelligence at the Camera Level – Examples

- Auto-tracking, enables a camera to automatically follow moving object
- People counting, object counting
- License plate recognition
- Virtual fence, line-crossing
- Audio detection
- Face recognition, gender recognition and much more to come





# Hosted Video – Overview





## Storage at the Edge



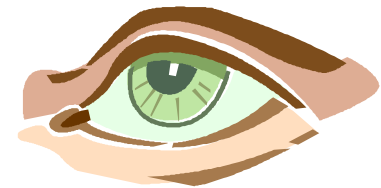


## ID Categories Continued

### Biometrics

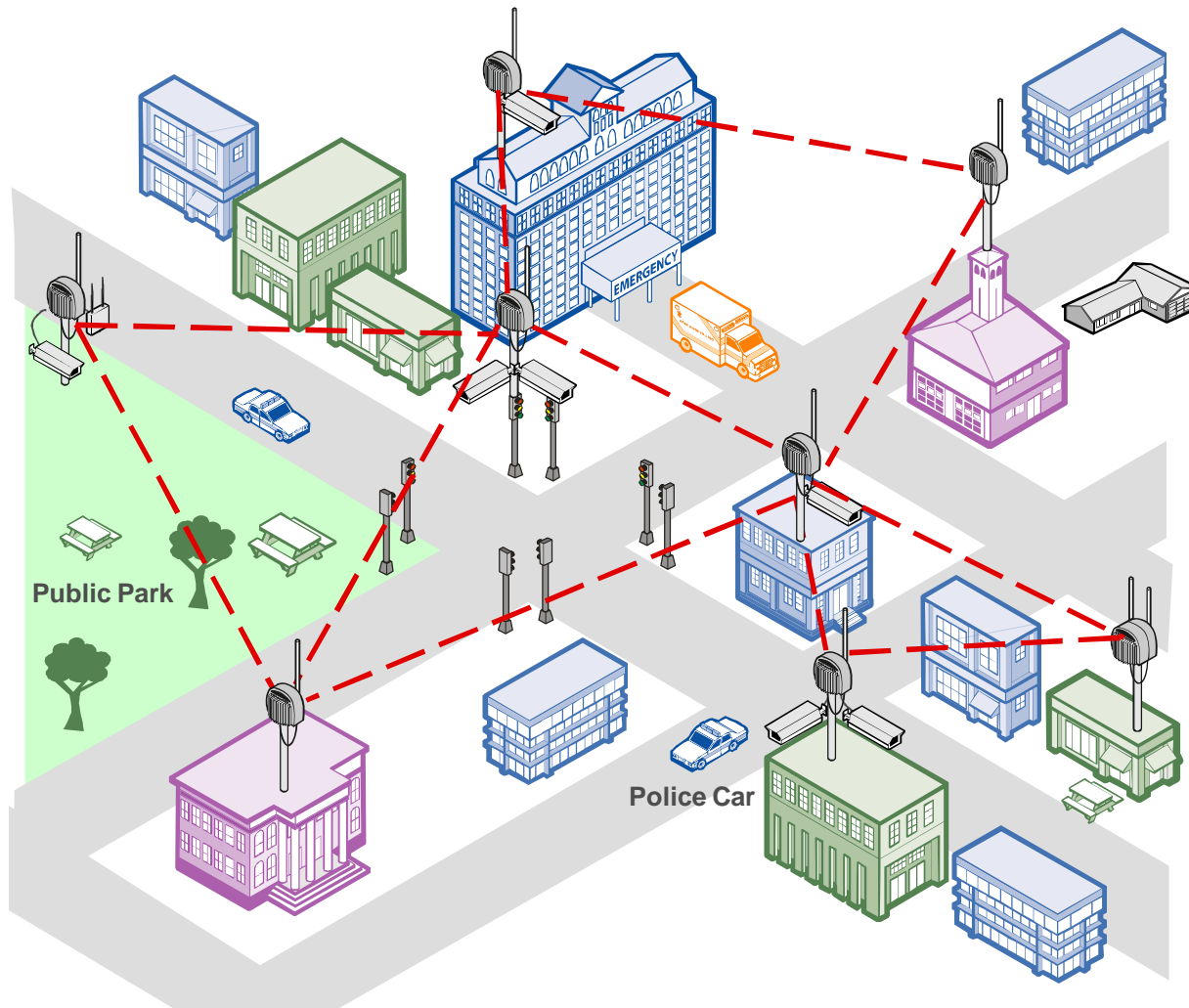
– An unalterable personal characteristic or attribute

- Fingerprint
- Iris recognition
- Voice
- Hand geometry



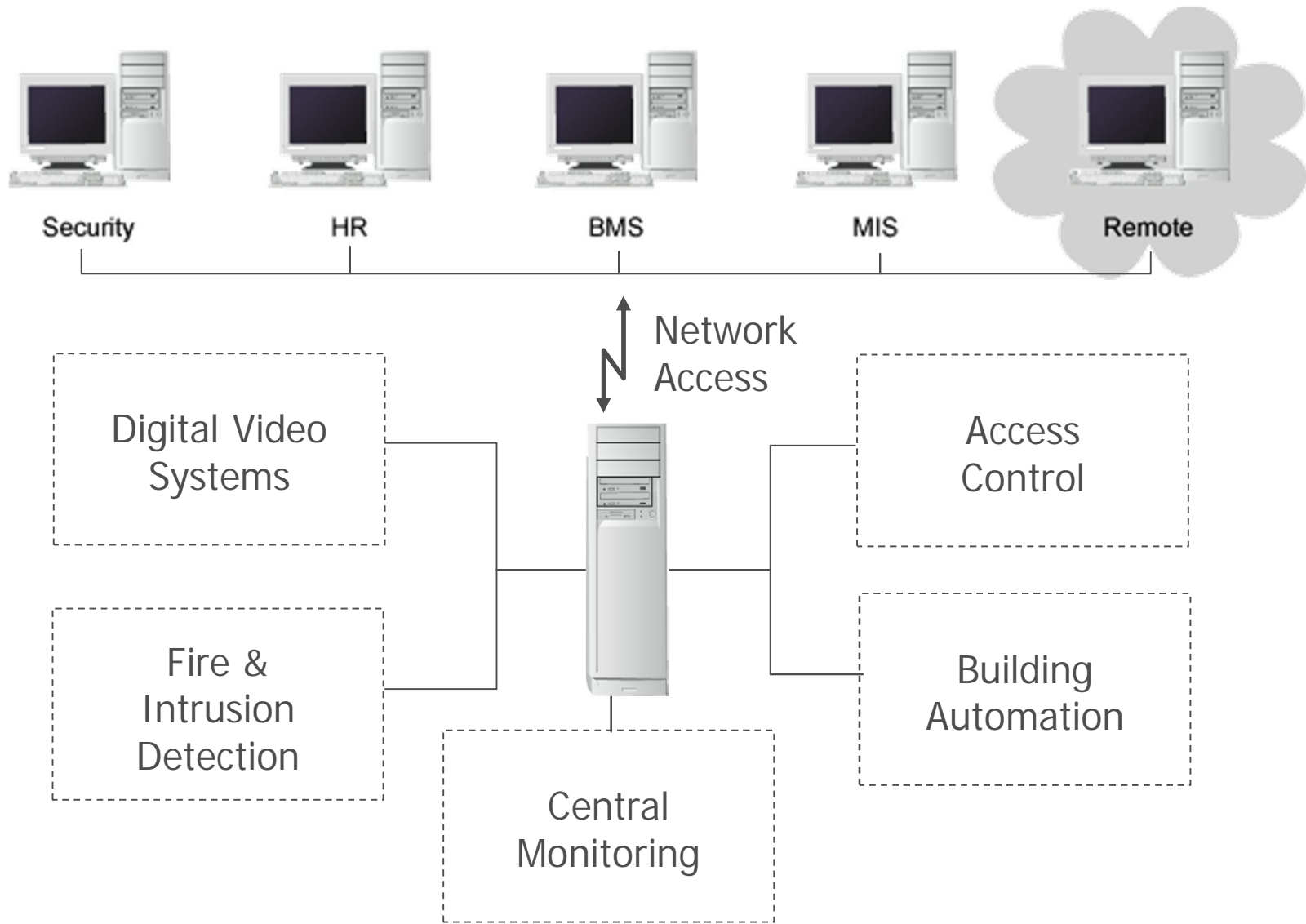


# Wireless Mesh Technology: Remote Facilities Connected





# Integrated Systems





**Thank You!!**

