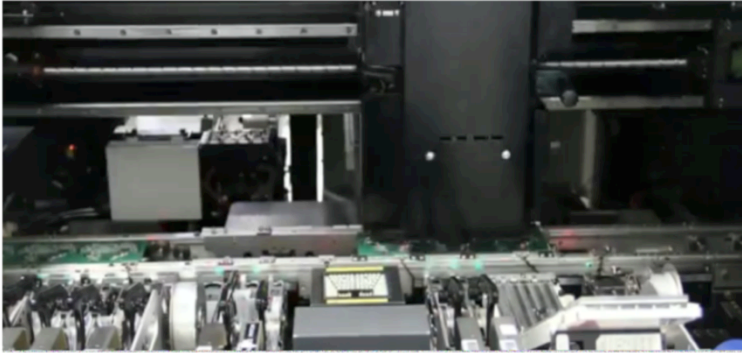


Arecont Vision Update

August 2016

Arecont Vision: Made in the USA

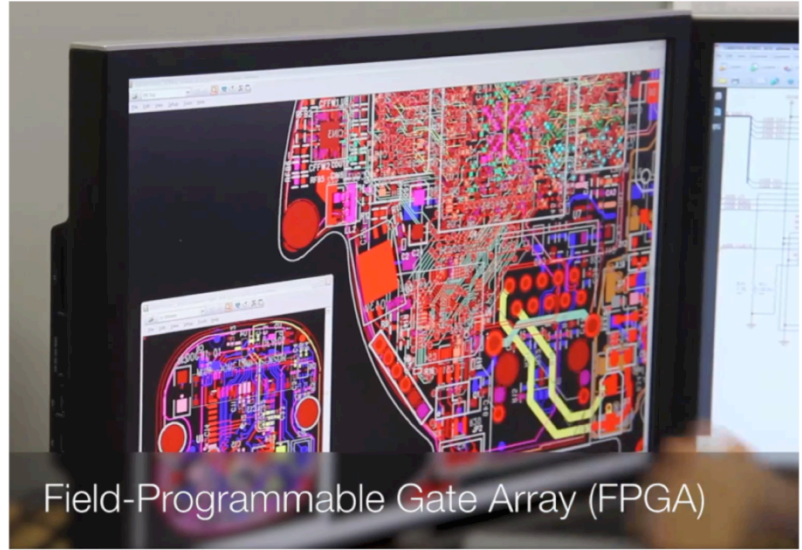
- Advanced circuit board design and manufacturing in Los Angeles area



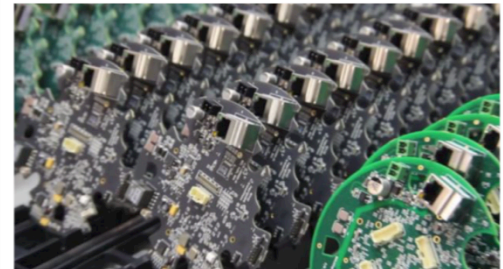
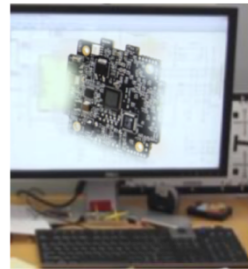
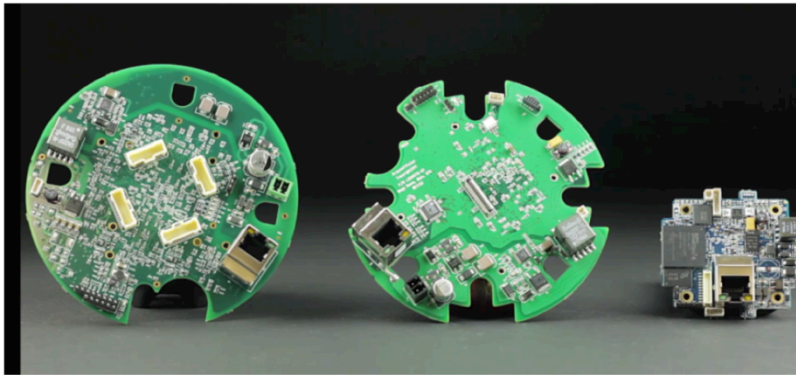
Surface Mount Technology

Through-Hole Technology

Automated Optical Inspection



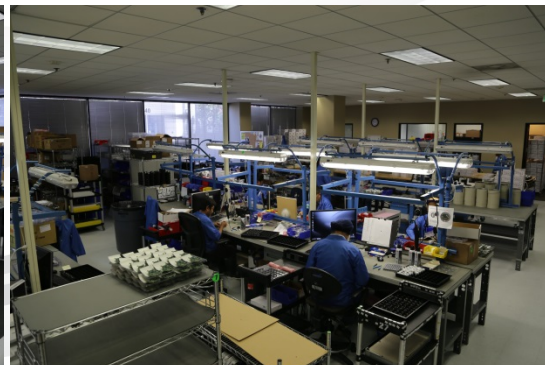
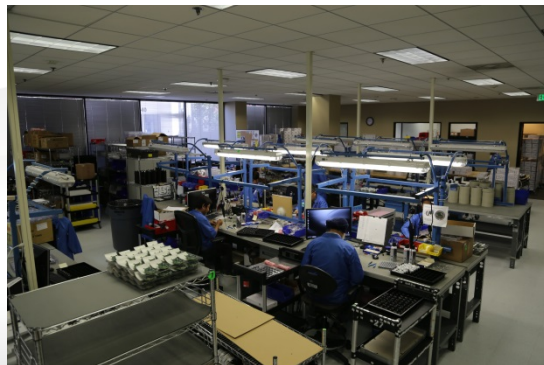
Field-Programmable Gate Array (FPGA)



Facilities Growth at LA Area Headquarters



} Manufacturing/Assembly
QA / Final Test
Packaging
Shipping/Receiving
Operations





- Moved to larger 1st floor space, leveraging what we learned since building our first products in 2003



- New consolidated facilities for continued sales growth with increased efficiency opened in July, 2016





- Early shots of our new shipping/receiving facilities as we were getting ready to open the new area
- Further reduces travel time between multiple floors of building and team efficiency to keep up with rising customer orders

Redevelopment of Existing Space



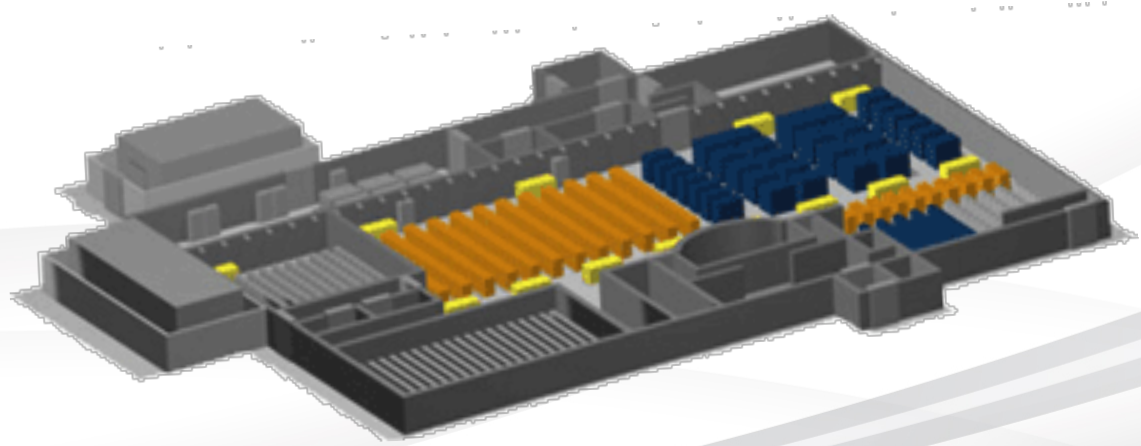
- Redevelopment now under way of previous spaces for completion in September
- Expanded R&D areas, new labs, updated Technical Assistance Center (TAC), new meeting rooms, and more office space for Engineering and other departments



Focus on Large Enterprise



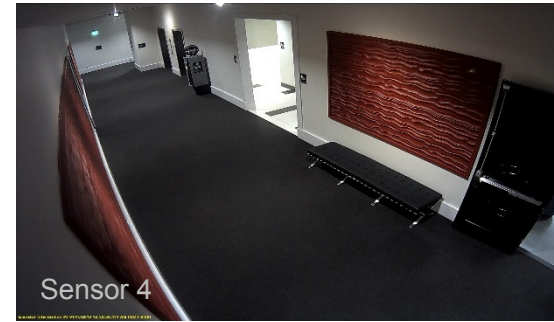
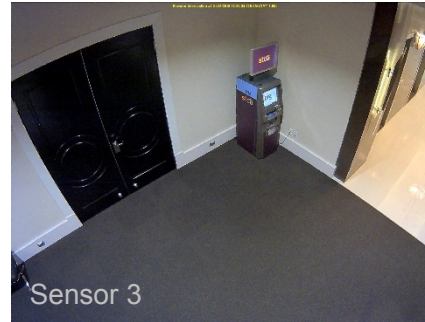
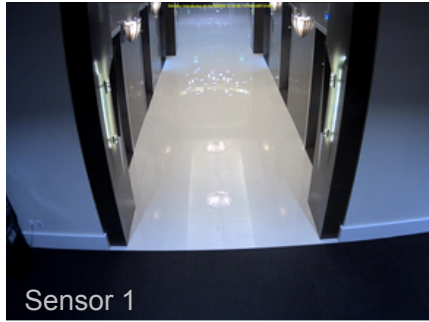
- Identification is Everything
- Uptime & Availability
- Energy Efficiency
- Colocation & Hosting
- Networks



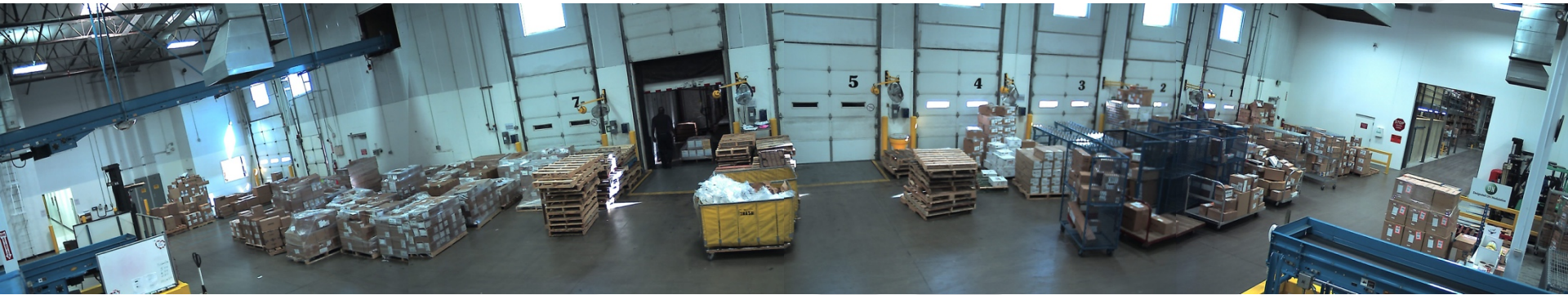
Entrances and Lobbies



Elevator Lobbies, Stairways, Corridors, and Public Areas



Loading Docks



Warehouses





Parking Structures



Parking Lots



- Many other **Mega**Verticals™ are part of Large Enterprise projects
- The scope of the project depends entirely upon customer requirements, so keep in mind all of the **Mega**Vertical material we provide to assist you
- Talk with your Arecont Vision sales team or manufacturer's representative to get access to these materials and our Partner Portal

New Date for September Webinar

- ASIS International 2016 will be held at the Orange County Convention Center in Orlando, FL September 12-14
- Next month's North American webinar will be **September 8th** with a full update on what to expect from Arecont Vision at the show, what products we'll be featuring
 - *The International webinars will also run one week early*



ASIS INTERNATIONAL
62ND ANNUAL SEMINAR AND EXHIBITS
SEPTEMBER 12-15 | ORLANDO FLORIDA

Booth #2027



Tech Tips: Lighting and Illumination

- Know what the camera should be looking at
- Check the camera firmware – confirm version with your VMS
 - *Upgrade Firmware to add new features*
 - *Upgrade Firmware to implement the latest improvements*
 - *Upgrade/ or Downgrade Firmware for compatibility (Some VMS only Support specific firmware versions)*
 - *Don't upgrade firmware just because it is the latest (if it ain't broke don't fix it)*
- Know your VMS and what settings on the camera it can control
- Consider night time site lighting conditions (will supplemental lighting be needed?)

Ultraviolet <380nm

Violet 380–450 nm

Blue 450–475 nm

Cyan 476–495 nm

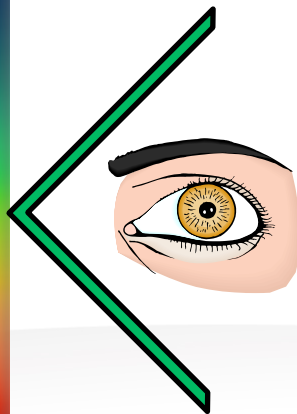
Green 495–570 nm

Yellow 570–590 nm

Orange 590–620 nm

Red 620–750 nm

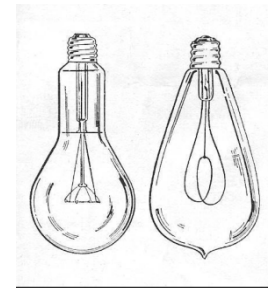
Infrared >750nm



- **The human eye sees:**

- 380-780nm wavelengths
- Peak sensitivity \cong 555nm

- Lighting selected based on cost
- Different light fixtures have different wavelengths
- Arecont Vision cameras has a patented automatic white balance to correct for this effect



Fluorescent spectrum

- Wavelengths 480-570nm
- Image will appear blue/green
- Reds, Oranges and Yellows will appear dull

Incandescent spectrum

- 555nm
- Image will appear green
- Violet, Oranges and Reds will appear dull

Halogen spectrum

- Wavelengths 650-950nm
- Image will appear red
- Greens, Blues and Yellows will appear dull

Automatic:

- Evaluates the scene and determines the white balance automatically

Indoor:

- Indoor lighting has a lot of red in it
- This setting can be selected to help the white balance control overcome **excessive red**

Outdoor:

- Sunlight has a lot of blue in it.
- This setting can be selected to help the white balance control overcome **excessive blue**

Mix:

- When both sunlight and indoor lighting will be present, this setting can help the white balance control compensate for the color if the Automatic setting is not good enough

Illumination

- ☒ Automatic
- ☐ Indoor
- ☐ Outdoor
- ☐ Mixed

Automatic



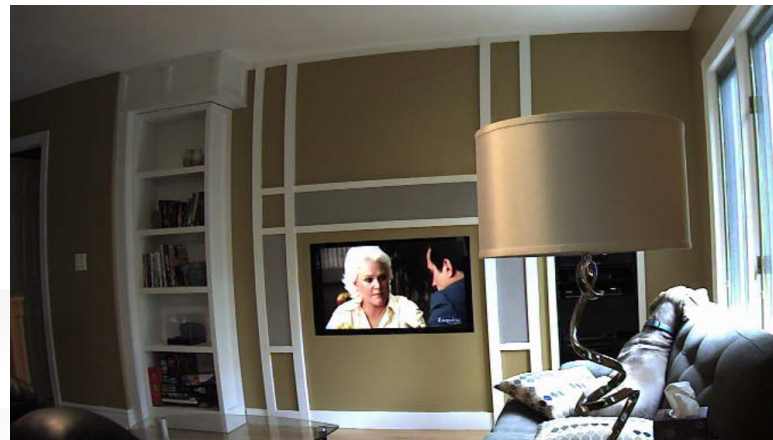
Outdoor

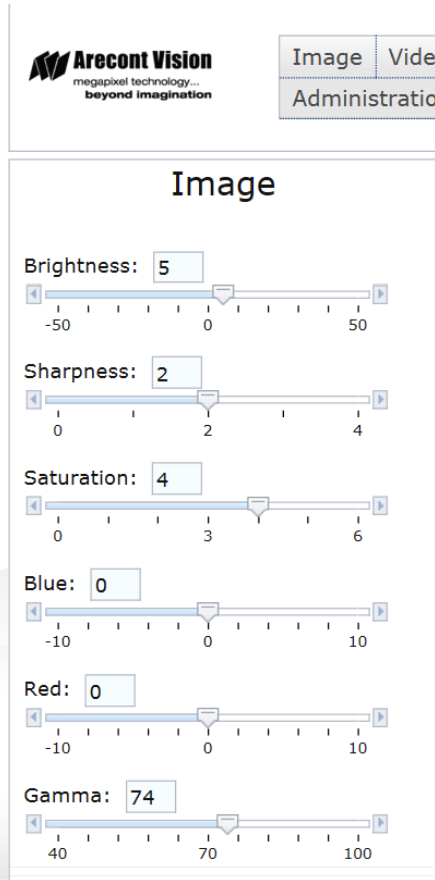


Automatic



Mixed





- Fine Tune Adjustments
 - Image Tab
 - Reduce Brightness
 - Adjust Blue
 - Adjust Red



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