

Arecont Vision Update

June 2016

- Schools have often been idealized as safe zones for freedom of thought and expression
- Today for campus security overall and education in particular, as the song said *“The Times They Are A Changin’”*
-- Bob Dylan, 1964
- Tragic events on and off campus have raised concerns for schools and colleges worldwide
- The result is that students, faculty, and parents have increasingly welcomed enhanced campus security and video surveillance

NY Students Protest for More School Security

Students are concerned after racist and homophobic threats were discovered on campus



By CS Staff – December 2, 2015 - SUNY Potsdam students protested what they see as inadequate school security measures on Nov. 30 in light of a threat against a black professor found on campus.

http://www.campussafetymagazine.com/article/n.y._students_protest_for_more_school_security#

CAMPUS OBJECTIVES



84%

Video surveillance for crime prevention was ranked by 84% as the most important for campus leadership.

Source: Anixter & Arecont Vision – *Inside the Mind of Campus Security Professional Survey*, 2015.

THE PRIVACY ISSUE...



9%

of students view video surveillance as
an invasion of privacy but



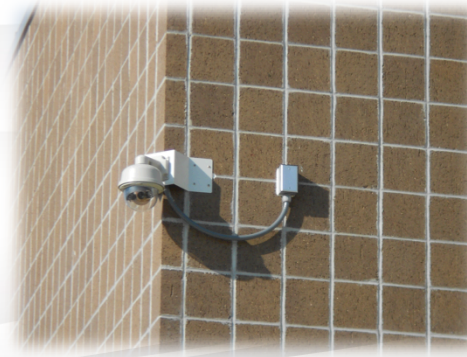
49%

of students say video surveillance
makes them feel safer.

Source: Anixter & Arecont Vision – *Inside the Mind of Campus Security Professional Survey*, 2015.

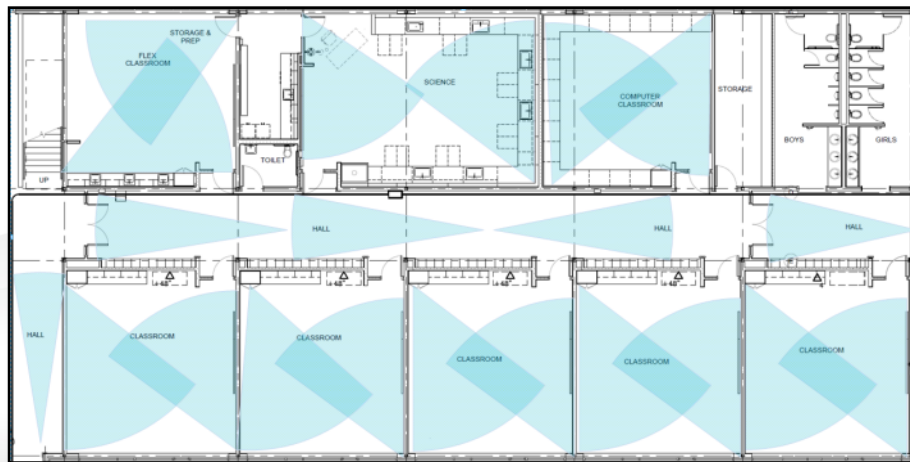
- Typical Applications

- Classroom, cafeteria, quad, gym, natatorium, and track/field area situational awareness
- Reception areas with record management system integration
- Front entrance inside and out with facial recognition integration
- Parking lots and surrounding streets for situational awareness and license plate recognition/capture
- General surveillance of hallways and classrooms



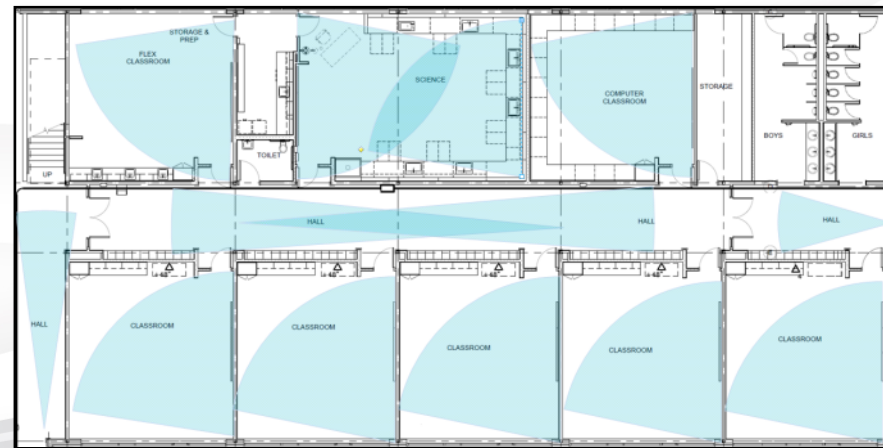
Analog

21 cameras to cover classrooms.



Megapixel

13 Arecont Vision 1 megapixel cameras yield better clarity and more than double the resolution.



Analog

24 cameras cover this public area with about 8,000,000 pixels



Megapixel

8 panoramic cameras deliver better coverage with 96,000,000 pixels





Situational Awareness Outdoors



Leading the Way in Megapixel Video™





Classroom



Stairways/Hallways



Cafeteria

Entrances/Exits



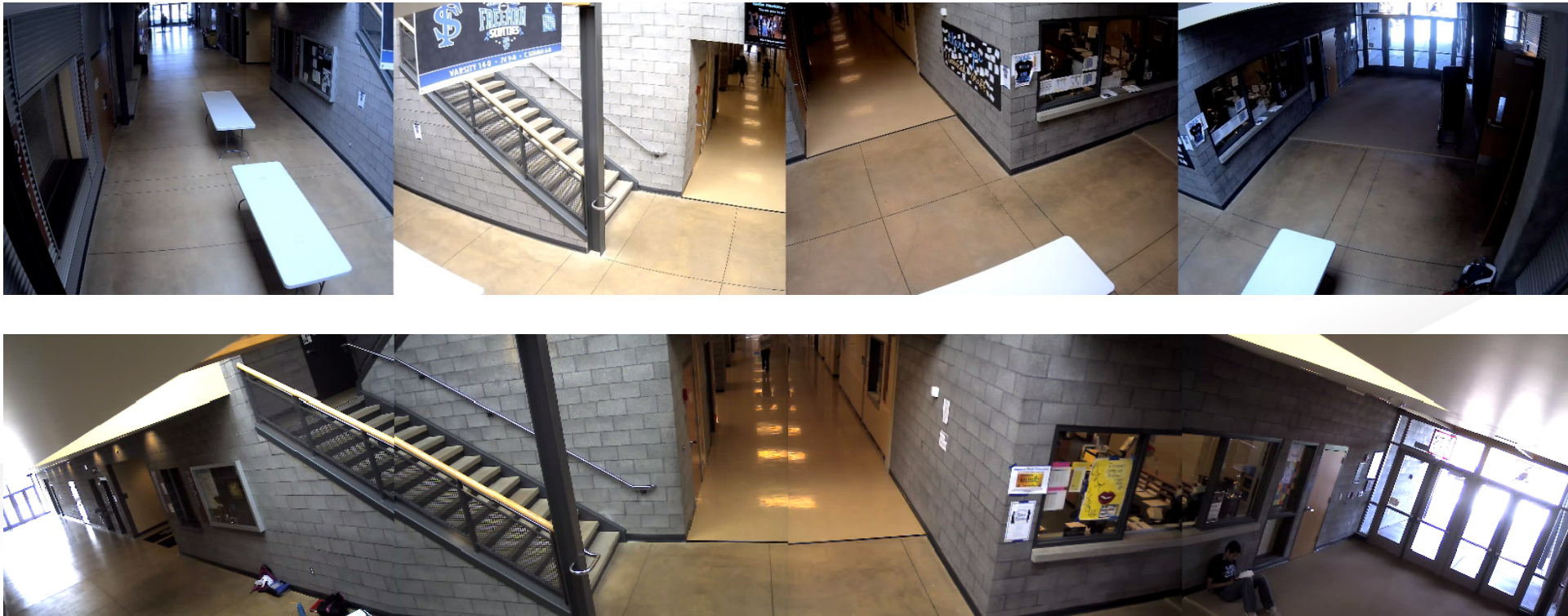
Walkways



Situational Awareness Indoors



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Situational Awareness Indoors



Leading the Way in Megapixel Video™



“The improvement in the quality and performance of our video surveillance system with the Arecont Vision megapixel cameras is incredible. The 360 degree views have made a tremendous difference in providing a safer and more secure campus.”



- Bill Weber, Assistant Chief of Police, Butler University

“We have to date protected more than 50% of our buildings with Arecont Vision, and add more every year. Arecont Vision has greatly enhanced the safety and security of our students, staff, and visitors here at Goddard Public Schools – USD #265.”



- Ronny Lieurance, Police Chief, Goddard Public Schools

“I was introduced to Arecont Vision over five years ago and their cameras have become the main workhorse in our CCTV system of over 1,300.

The [SurroundVideo] 180 cameras have proven time and again that PTZ's are a thing of the past and the new OMNI's have given us a new appreciation for Arecont [Vision's] continued superiority in the CCTV field.”

- James McCarthy, Director, Physical Security, University Police Department, George Mason University



- Butler University
 - <http://goo.gl/xiOHBQ>
- George Mason University
 - <http://goo.gl/jf05Xk>
- Forest Lake High School
 - <http://goo.gl/NyQWkp>
- Harligen Consolidated Independent School District
 - <http://goo.gl/YglRQh>
- Tular Cave Laboratory
 - <http://goo.gl/1ihxEr>
- Jonathan Adler High School (video case study)
 - <http://goo.gl/fDHRP4>
- Flour Bluff Independent School District
 - <http://goo.gl/MtLFBY>
- Mission Consolidated Independent School District
 - <http://goo.gl/3hLG7d>
- SAR Academy
 - <http://goo.gl/Tj0YdY>
- Northern California High Schools (news video)
 - <http://goo.gl/JcYO6Y>
- Skyline Elementary (news video)
 - <http://goo.gl/KLhd7P>
- Indianapolis Middle Schools (news video)
 - <http://goo.gl/L5XeTD>

- Educational institutions require security systems that provide a safe learning environment for students, while protecting faculty, staff, visitors, and property indoors and out
- Violent incidents at on and off campus for schools and universities around the world have created an increased focus on increasing safety, situational awareness, and post-incident forensic viewing
- Students, faculty, and parents increasingly see video surveillance as valuable and necessary, rather than an invasion of privacy
- Arecont Vision IP megapixel cameras are proven in deployments at schools, colleges, universities, and educational institutions worldwide



Product Update



Leading the Way in Megapixel Video™

SurroundVideo[®] Omni Mini

2 User-Configurable Sensors in an Omni-Directional All-in-One Solution

Highlighted Features Include:

- 2 Sensor Omni Camera
- Remote Focus – Still Able To Change Lenses
- 3 Axis Gimbals
- Discrete and Low Profile
- Fast Frame Rates



SurroundVideo[®] Omni Mini

Mechanical Overview



Uses Existing MicroDome
Gimbals and Bubble



Mounting Plate for
Easy Installation

NPT Port

Motorized Lens
Modules

SNAPstream®

Smart Noise Adaptation & Processing

- Smart H.264 Codec Enhancement
- Updateable on Most Legacy Cameras
- Reduces Bandwidth Without Impacting Image Quality



SNAPstream®



Arecont Vision MegaView 1080p @ Default Settings
30 FPS 2.2 Mb/s



Arecont Vision MegaView 1080p @ Default Settings
with **SNAPstream**®
30 FPS 0.5 Mb/s

SNAPstream®



Arecont Vision MegaView 1080p @ Default Settings
21 FPS 10 Mb/s



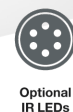
Arecont Vision MegaView 1080p @ Default Settings
with **SNAPstream**®
21 FPS 2.4 Mb/s

MegaVideo® Flex

Ultra Low Profile Design Solution

Highlighted New Features Include:

- 1.2MP, 1080p, 3MP, and 5MP H.264 Remote Focus True Day/Night Indoor/Outdoor Tethered IP Cameras
- Camera Sensor and Main Unit can be Connected via a USB Cable up to 40ft in Length
- Optional IR LEDs

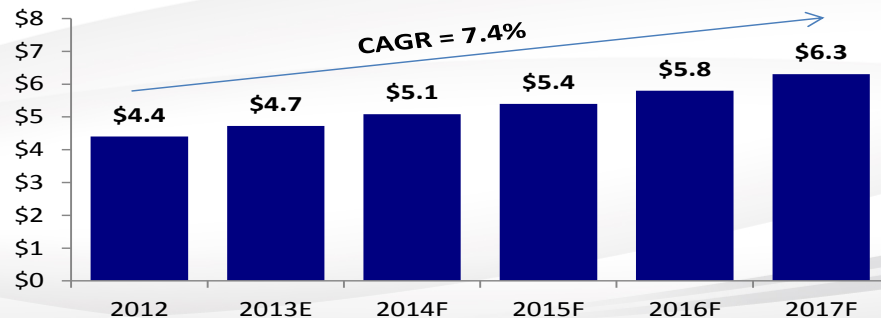


Tech Tips & Tricks

Remote Focus on SurroundVideo G5 Products

- Educational institutions require security systems that provide a safe learning environment for students
- Violent incidents at schools and universities increase the focus on video surveillance
- School funding continues to cut
- Arecont Vision IP megapixel cameras reduce the total cost of ownership

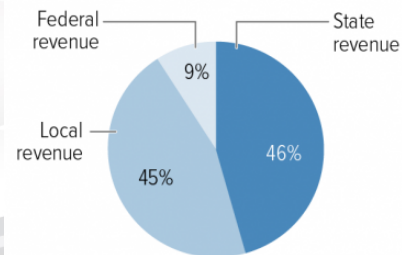
Global Education Expenditure (\$ in trillions)



Source: IBIS Capital
Made in the USA

States Provide Nearly Half of School Funding

Share of total K-12 education funding, 2013



Source: Census Bureau, "Public Elementary-Secondary Education Finance Report, 2013 Data," June 2, 2015.

CENTER ON BUDGET AND POLICY PRIORITIES | CBPP.ORG

Source: Center on Budget and Policy Priorities

- Many tragic events have occurred
 - School security has grown as a higher priority as a direct result for K-12, colleges, and universities
- Megapixel cameras reduce the number of cameras and maximizes coverage
- Megapixel technology offers
 - Improved situational awareness
 - Proactive campus monitoring
 - Post-incident forensic detail
- Applications
 - High traffic and sport venues
 - Reception & front entrance
 - Parking lots



- Installation & Setup
 - Simpler
 - Quicker
- Less Expensive Total Cost of Ownership

Available now on
SurroundVideo G5

Easy to Use Controls

Classic Focus Method



New Way to Focus



Zoom & Focus

Zoom:

+20

+5

+1

-20

-5

-1

} Zoom Controls

☒ Enable Auto Focus after zoom

Focus:

+20

+5

+1

-20

-5

-1

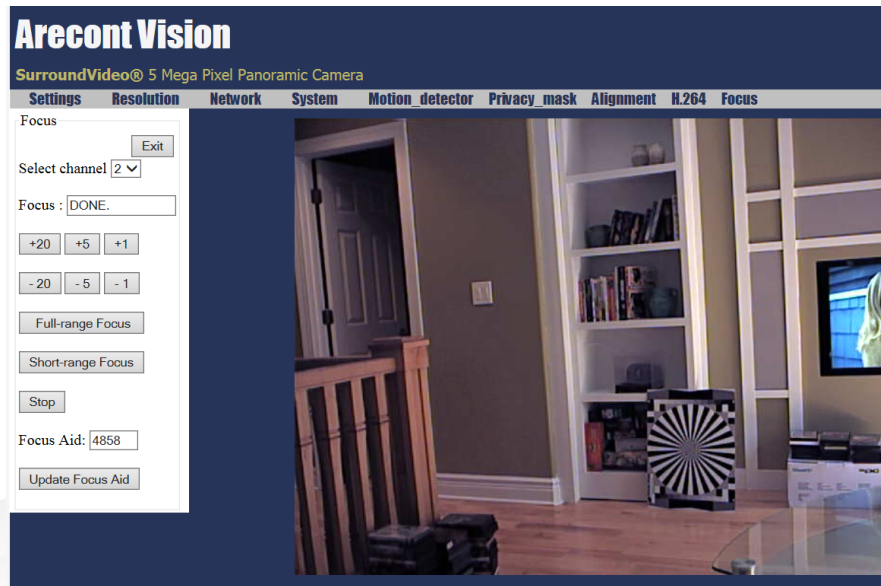
} Precision Focus

Full-range Focus

Short-range Focus

} Easy Focus

Stop

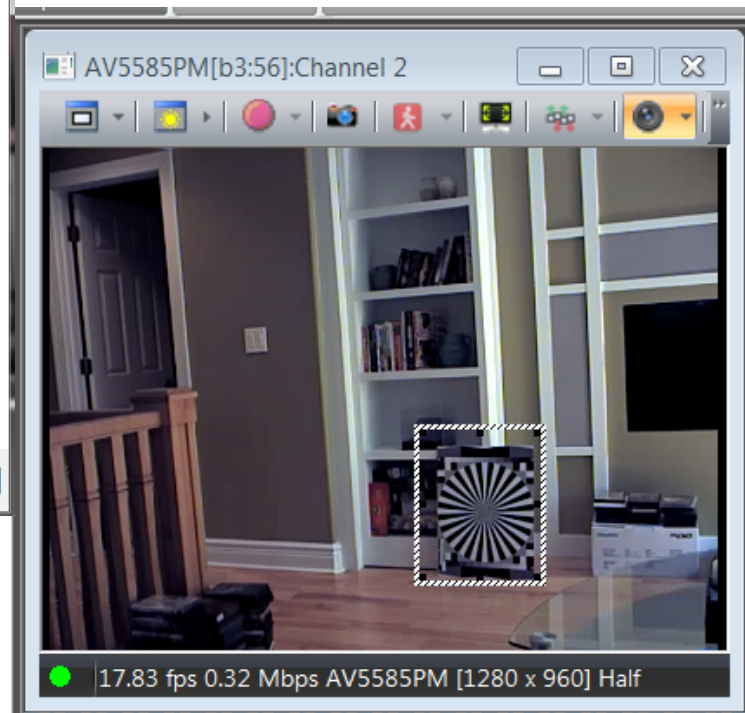
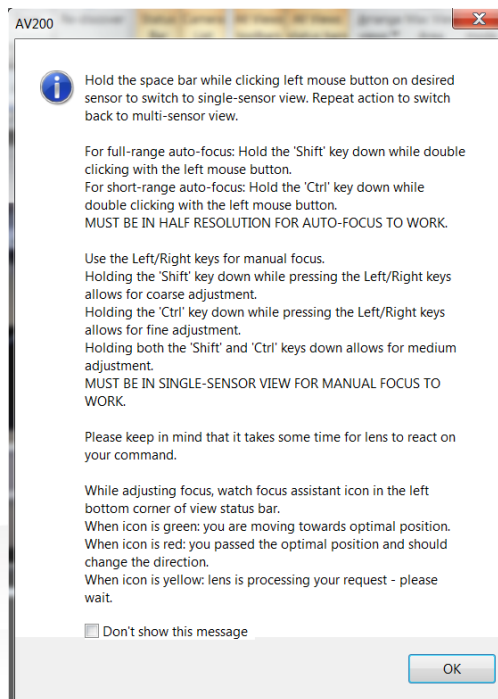


Focusing Steps

1. Use a focus chart
2. Select the focus tab
3. Select a channel
4. Select Full-range Focus
5. Perform a Short-range Focus

Precise Adjustment from AV200

1. Launch AV200
2. Select Camera or Camera Channel
3. Select Zoom & Focus drop down
4. Draw a box on the area of interest
5. Perform precise adjustment
 1. Coarse = Shift + Left/Right keys
 2. Fine = Ctrl + Left/Right keys





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Arecont Vision Corporate Blog

<http://blog.arecontvision.com>



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