





Threats...

AXIS A

Vulnerability Report

CVE-2016-AXIS-0705 Remote Format String Lund, Sweden July 5, 2016

An independent researcher discovered a critical vulnerability that makes it per attacker to main good agreement to correct Auto accoluses synthesis confinement of An independent researcher discovered a critical vulnerability that makes it is attacker to gain root access to certain Axis products without authentication, very advanced and the researcher intends to publish full disclosure on July 18th.

The external disclosure is due July 18th
Note: This CVE will be updated once the exploit is disclosed.

AXIS Network Cameras firmware versions between 5.20 and to 6.20.

AXIS Network Door Controllers firmware versions before 1.45.0

AXIS Network Video Door Stations firmware versions before 5.85.1.2

AXIS Network Video Door Stations firmware versions before 1.00.0.1

AXIS Network I/O Relay Modules firmware versions before 1.00.0.1 AXIS Network Video Door Stations firmware versions before 5,85.1.2
AXIS Network I/O Relay Modules firmware versions before 1,00.0.1
AXIS Network Hore Searchare firmware versions before 1,70.9
AXIS Network Hore Searchare firmware versions before 1,70.9 AXIS Network I/O Relay Modules firmware versions before 1.0
AXIS Network Horn Speakers firmware versions before 1.20.2

An attacker needs to have network access to products in order to e An attacker needs to have network access to products in order to e.

Affected Axis devices that are exposed directly to the Internet are as includes products that are behind a router/firewall where porttraversal has been enabled.

Devices that are behind a protected network are at low risk. Netwo

Devices that are behind a protected network are at low risk.

AVHS (AXIS Video Hosting System) are at low risk. AVHS (AXIS Video Hosting System) are at low risk. Network Camera Companion solution are at low risk, as the remote conf expose cameras to direct Internet access.

Axis strongly recommends to upgrade products at high risk. products in low risk in a scheduled and controlled manner.

List of available service releases can be found at

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Mirai Botnet Infects Devices in 164 Countries

By Ionut Arghire on October 28, 2016

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Mirai, the infamous botnet used in the recent massive distributed denial of service (DDoS) attacks against Brian Krebs' blog and Dyn's DNS infrastructure, has ensnared Internet of Things (IoT) devices in 164 countries, researchers say.

n early October, Mirai's developer released the malware's source code and also revealed that there were over 300,000 devices infected with it. Soon after, as the botnet was increasingly used in DDoS attacks, Flashpoint security researchers determined that over half a million IoT devices worldwide were vulnerable to Mirai, because they were protected by weak security credentials.

According to Imperva researchers, the investigation of an attack carried out in August has revealed around 49,657 unique IPs hosting Mirai-infected devices, mostly CCTV cameras, already proven popular targets for IoT botnets.

These IP addresses, researchers say, are located in 164 countries, with Vietnam taking the top spot at 12.8%, followed by Brazil at 11.8%, the United States at 10.9%, China at 8.8%, and Mexico at 8.4%. South Korea, Taiwan, Russia, Romania and Colombia are rounding up top ten most affected countries. Remote locations such as Montenegro, Tajikistan and Somalia were also among the affected countries.

Imperva also notes that a few new Mirai-powered attacks were seen after the source code emerged online, though they were low-volume application layer HTTP floods. These used a small number of source IPs, and the security researchers suggest that they might be mere experimental first steps of new Mirai users.

The researchers also note that the botnet's command and control (C&C) code is coded in Go, while the bots are coded in C. Code analysis also revealed that the botnet was built for two nain purposes: find and compromise devices to increase the botnet's footprint, and launch DDoS attacks based on received instructions.











\$55 surveillance camera hacked by Mirai botnet within 98 seconds Robert Stephens bought the camera from Amazon for testing purposes











The Internet of Things has become more of a joke lately because of the never ending styles of exploitation that these poor devices are being subjected to by malicious cybercriminals and hackers. It is now widely believed that the IoT devices are seriously prone to cyber attacks as their various inherent vulnerabilities make them easy targets

Must Read: Creepy website shows live footage from 73,000 Private Security Cameras

The latest flaw in the severely hyped IoT devices was discovered by a tech industry veteran Robert Stephens, who identified that his security camera could be compromised within 98 seconds only as soon as it gets connected to Wi-Fi.



Recent Threats

Ransomware (Incident May 2017)

- Ransomware is a version of WannaCry virus
- Malware that locks users files unless a sum is paid using virtual Bitcoin
- Attacked on Washington DC Police 2016
- Britain National Health Hospital May12, 2017
- Affected 99 countries, 75 thousand detection







Ooops, your files have been encrypted!



What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled.

Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am







A secure system calls for active participation by the entire supply chain and the end users





Partners in protection

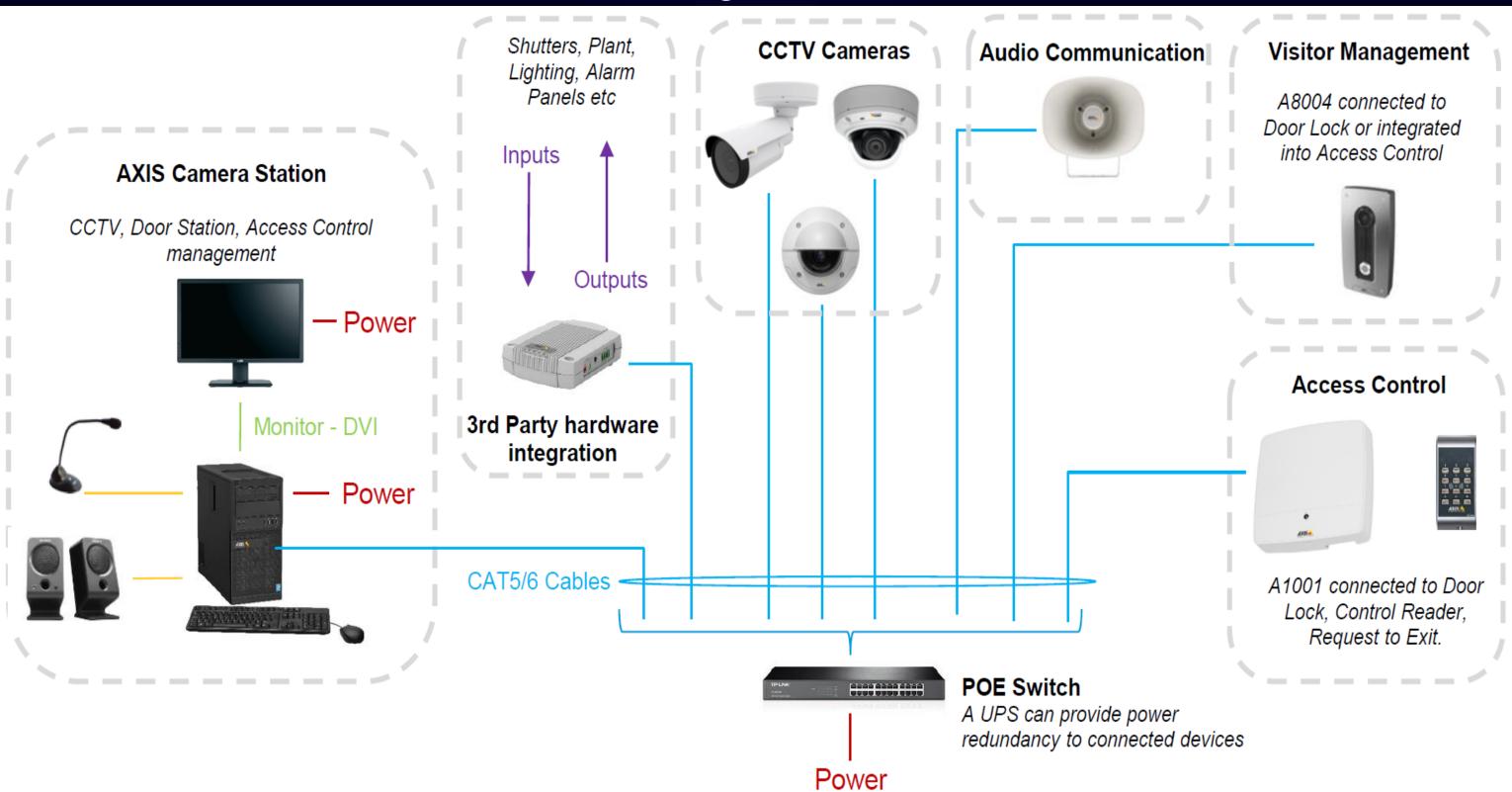


IP landscape –Video surveillance perspective





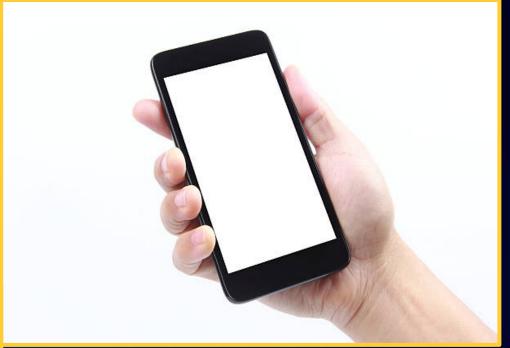
Total Integrated Solution



Which one would you have?









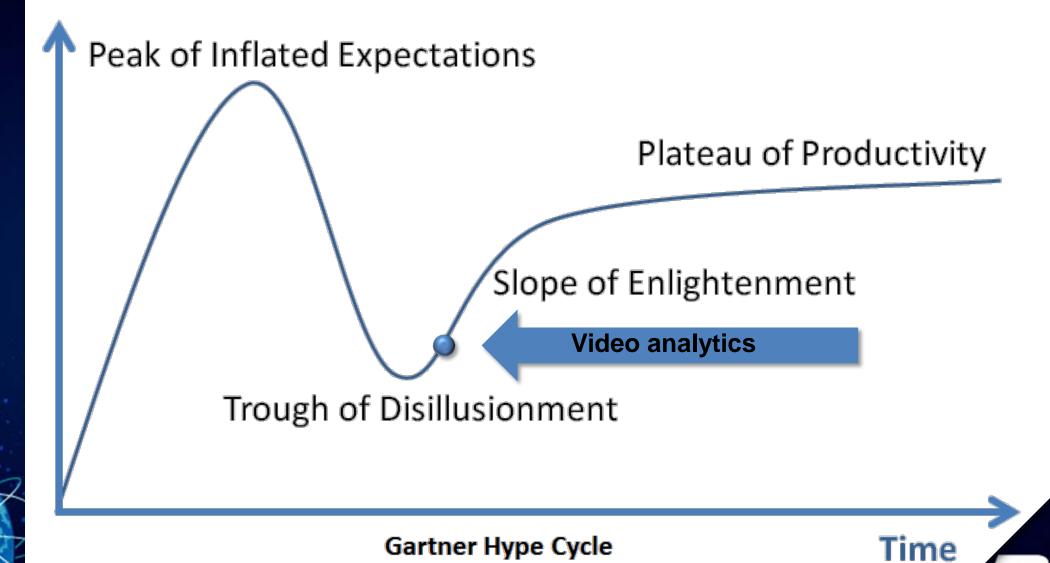








The hype cycle



Gartner Hype Cycle



Areas where analytics are seeing success

Traffic surveillance







Retail analytics







Automatic Incident Detection (AID)

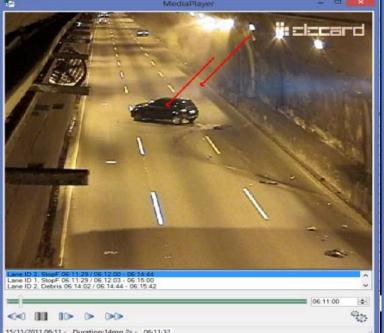
Citilog's Intelligent Automatic Incident Detection (AID) solutions enable traffic operators to identify and address incidents and accidents in real time:

- Stop vehicle
- Congestion
- Wrong way

- Pedestrian
- Debris
- Smoke (tunnels)





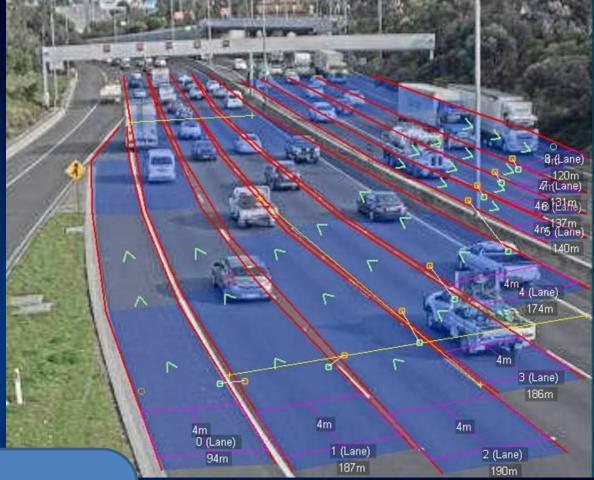






Automatic Incident Detection (AID)







Vehicle speed Vehicle classification Breakdown

Counter flow



Intersection control – Smart City

- > Presence detection
- > Queue measurement at intersections
- > Anti gridlock













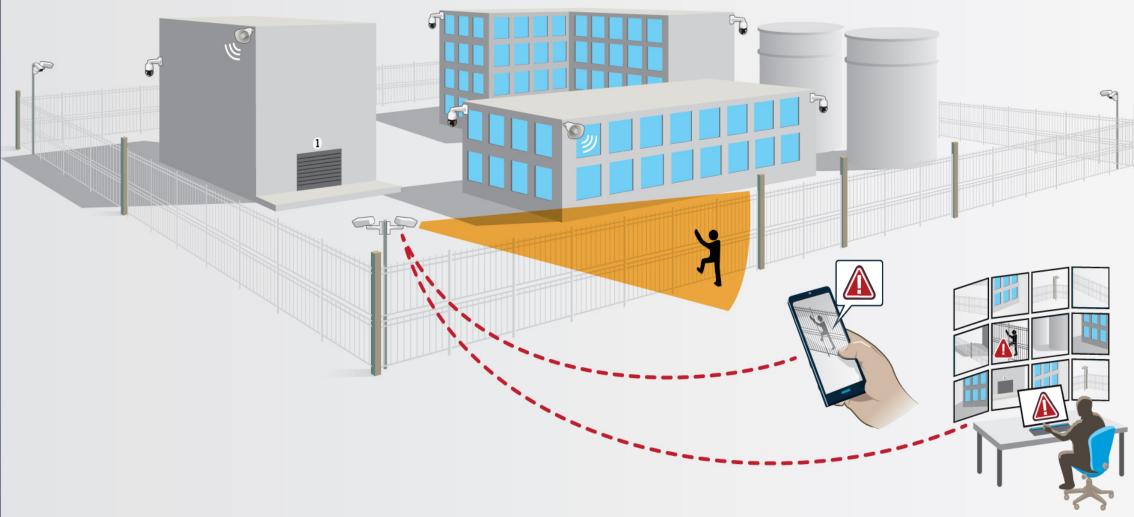
Detect intruders

Verify events

Take actions



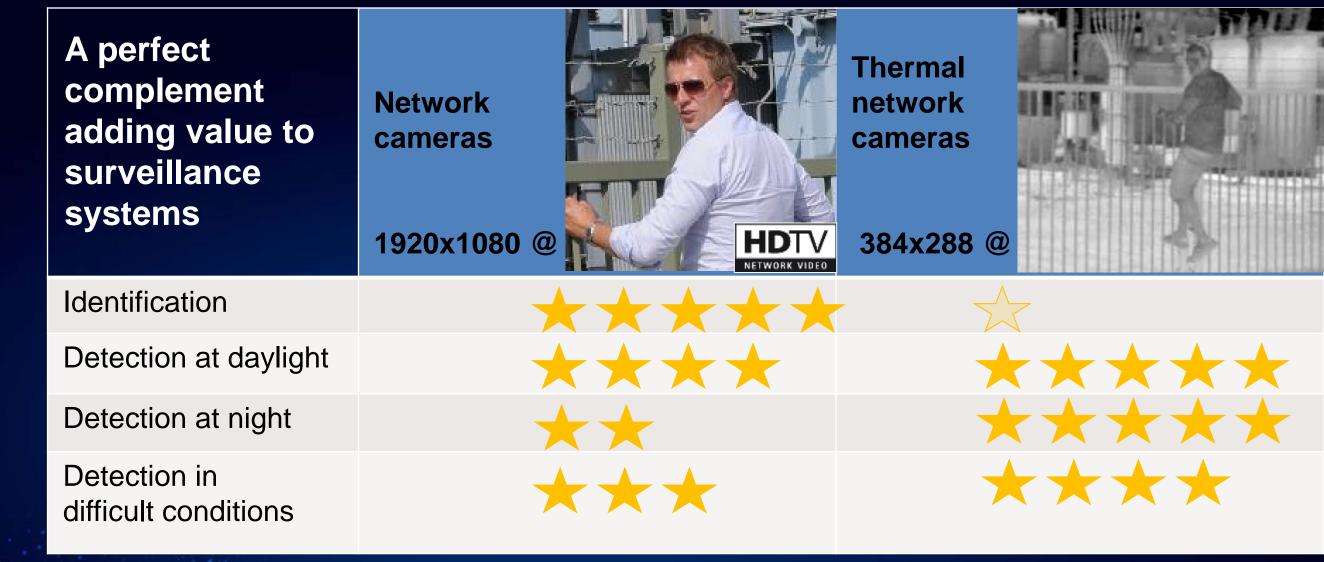
Intrusion Detection Solutions









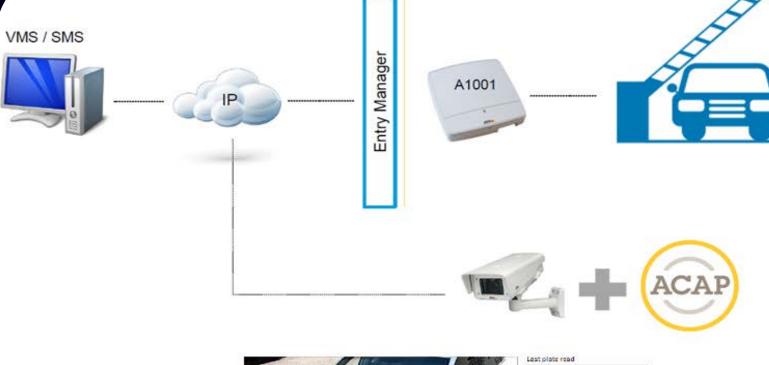




Thermal vs Optical





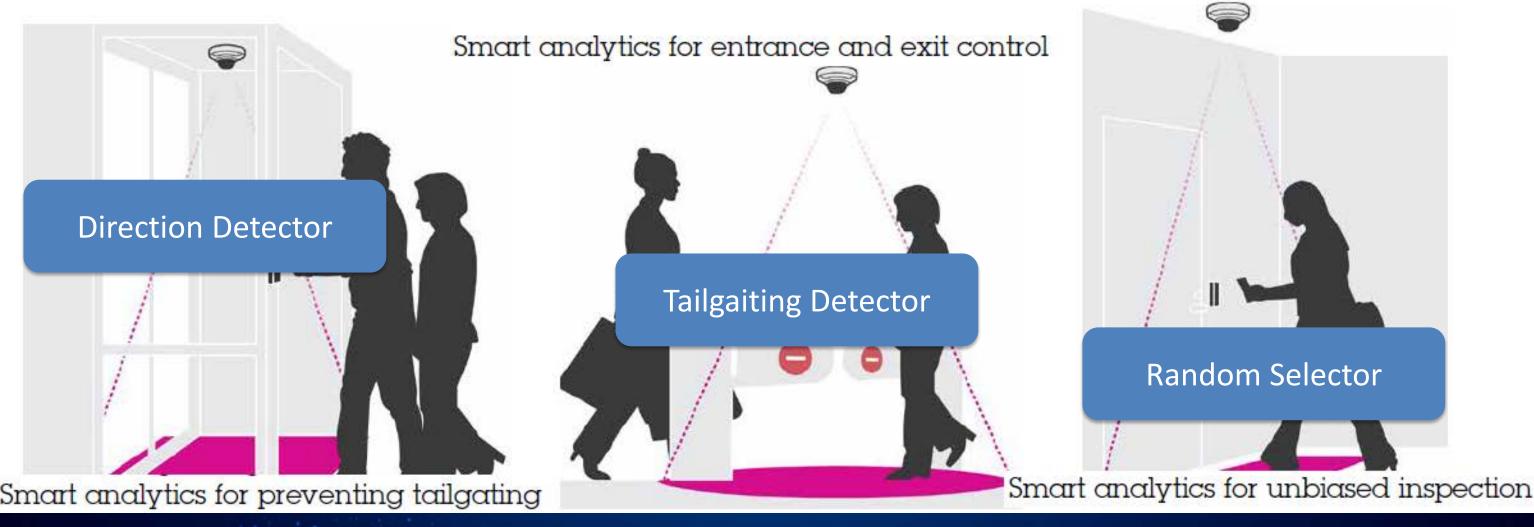








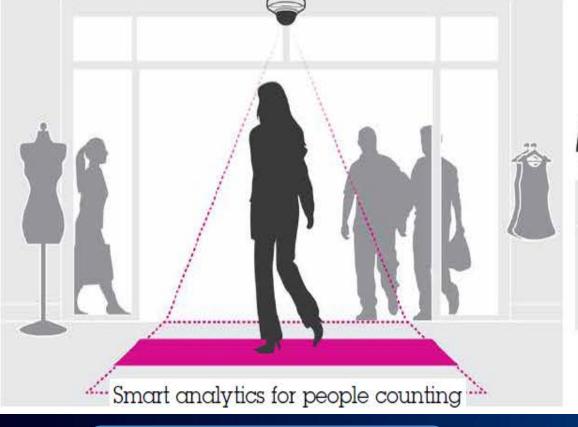


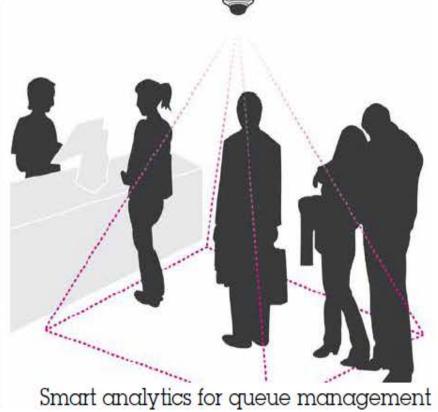


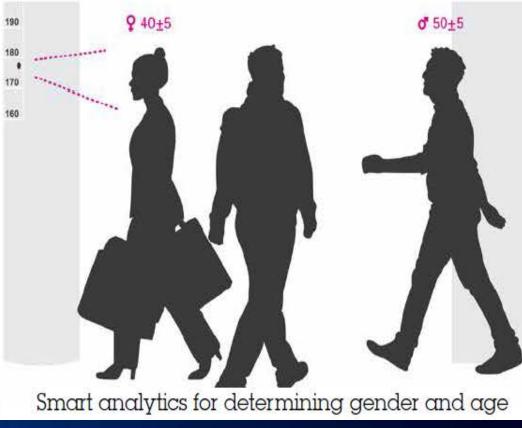












People Counting

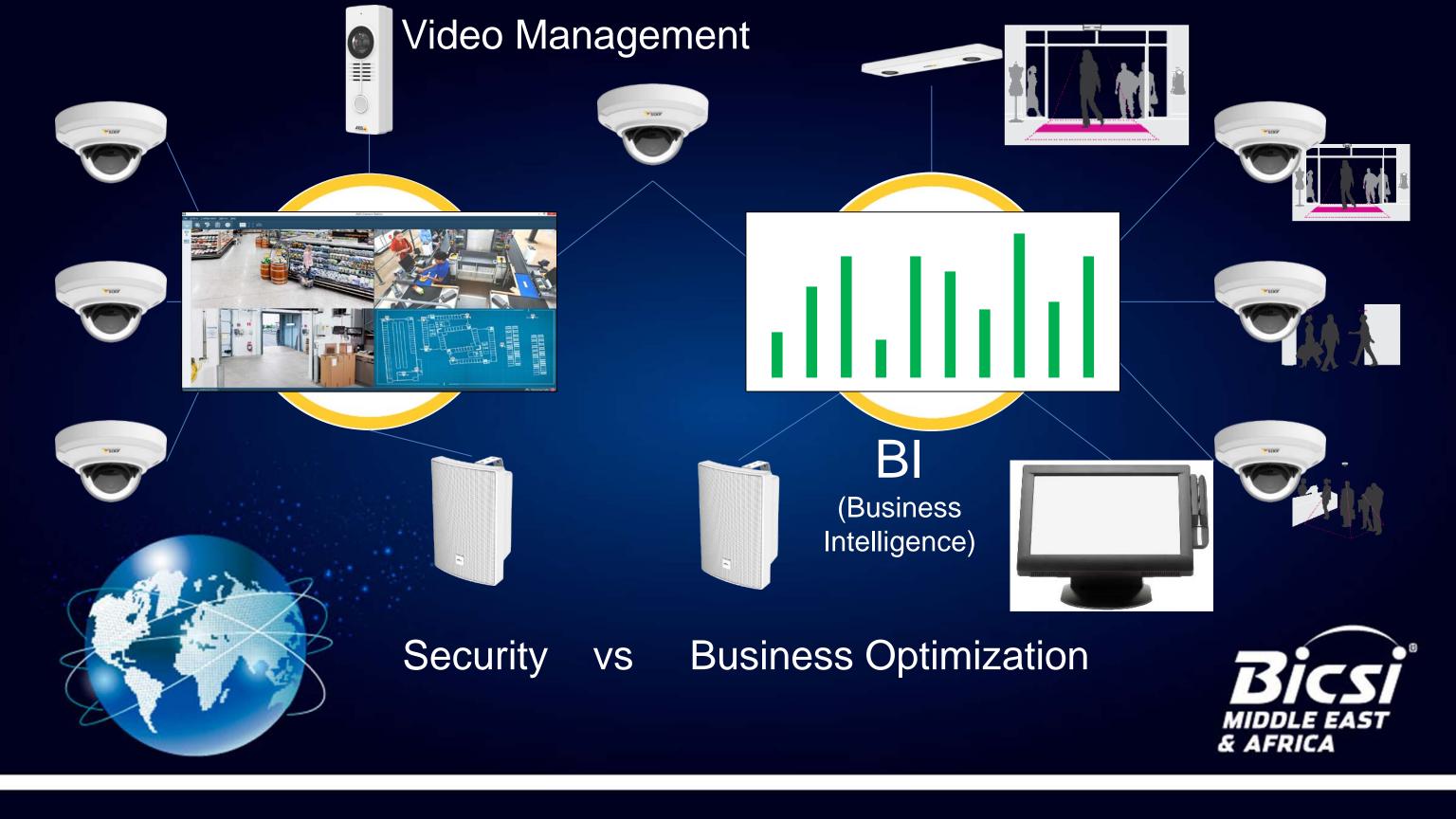
Queue management

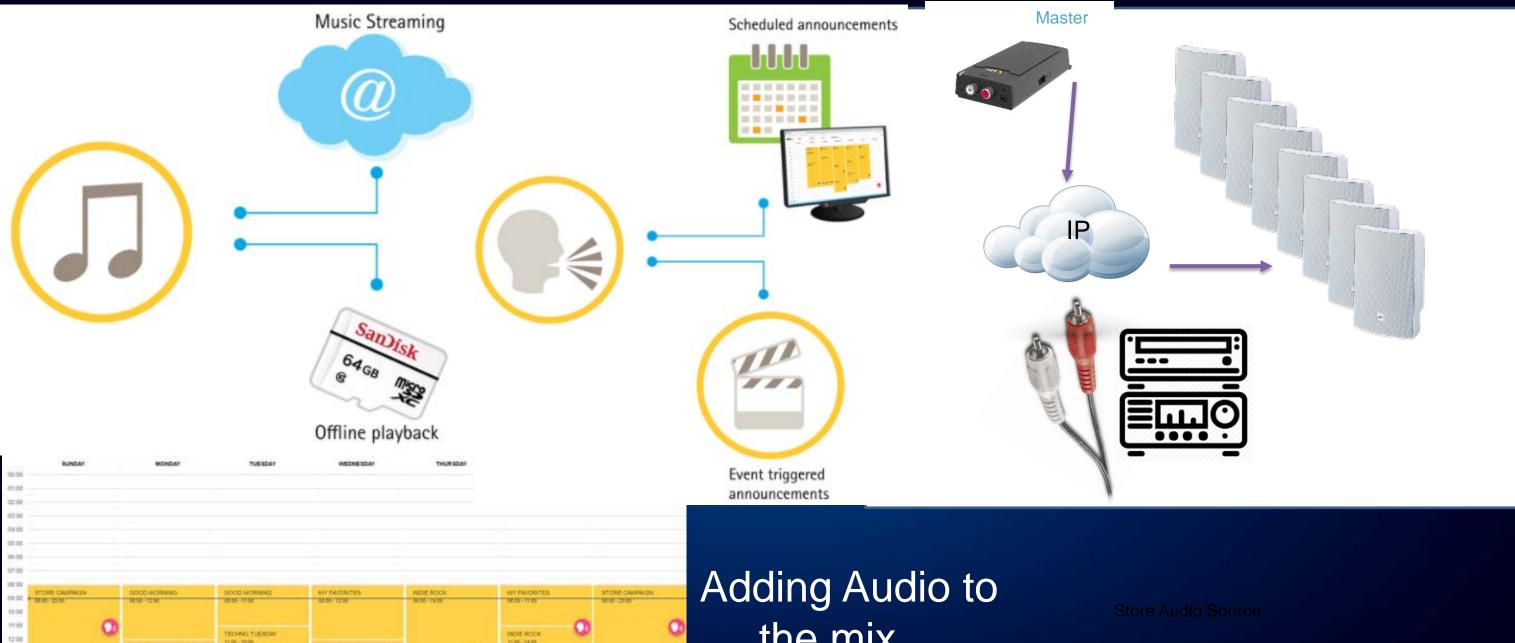
Demographics



Edge Based Smart Analytics







10.00 16.00

10.00 19-00

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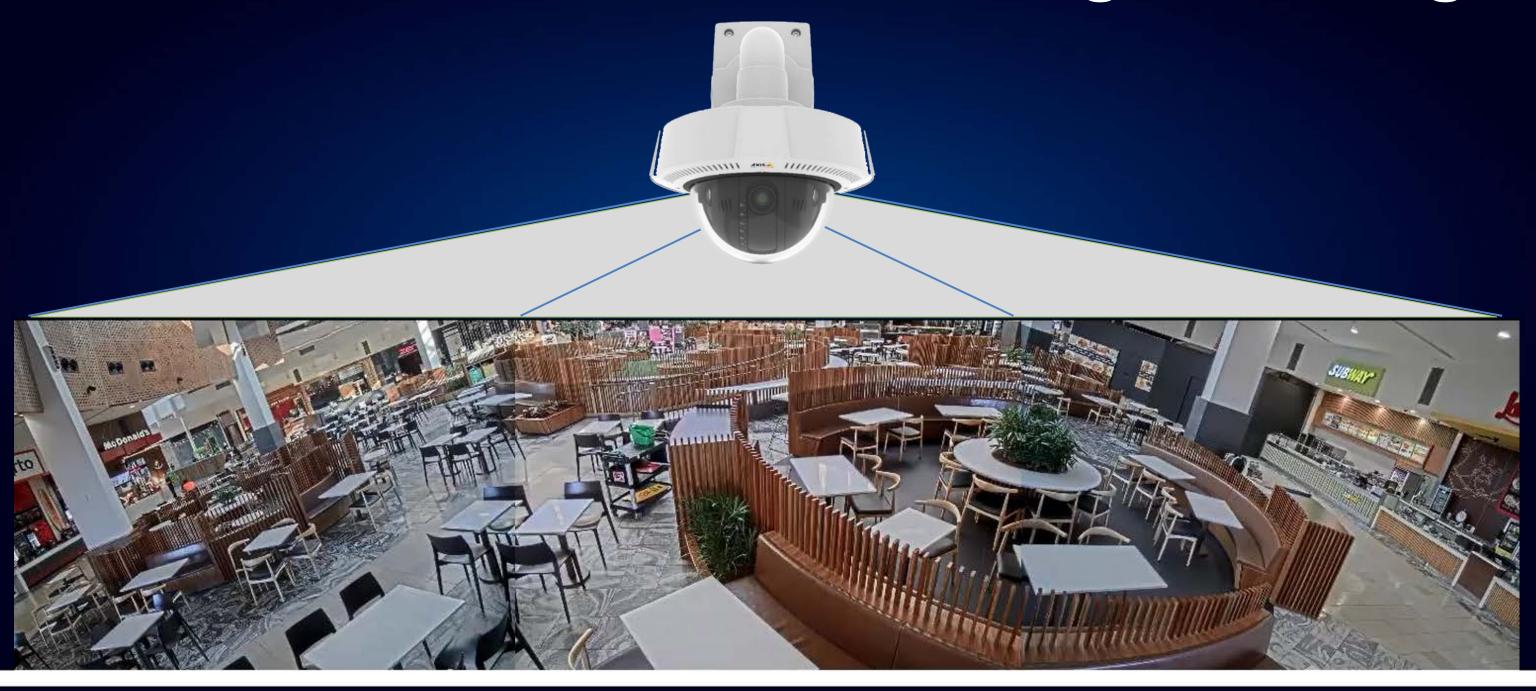
the mix...



Multi-sensor seamless wide-angle coverage

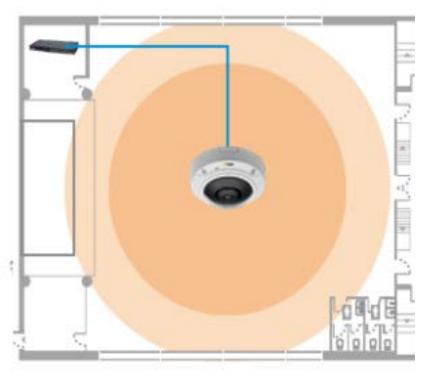


Multi-sensor seamless wide-angle coverage



Single Panoramic Camera





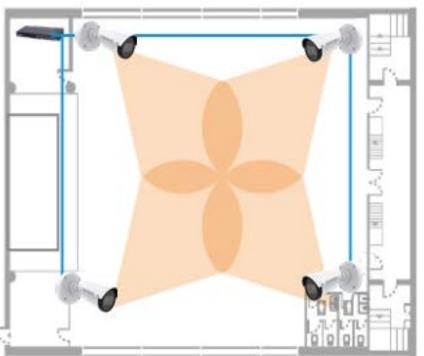












Image Usability





So is Bad light spoiling your image?



Too much Light?



Not Enough Lite?



No Light – Infra Red integrated into cameras

The illumination angle automatically follows the angle of view when adjusting the zoom level at installation

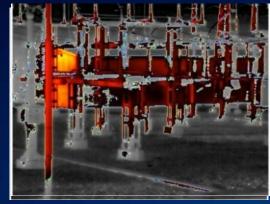






Temperature Alarm Thermal



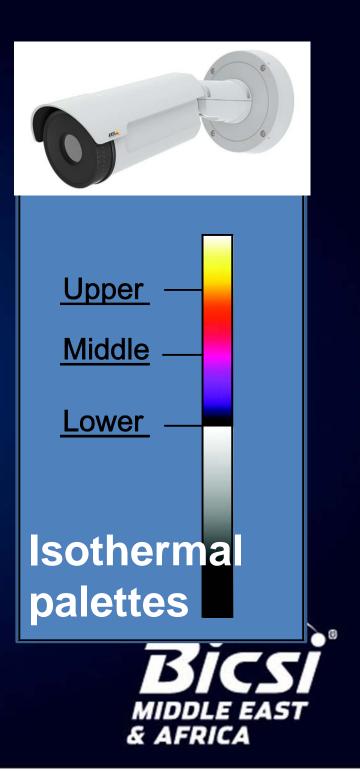








Set temperature based alarms or monitor sites for hotspots





First graph: Zipstream disabled

Second graph:

Zipstream with Dynamic ROI enabled

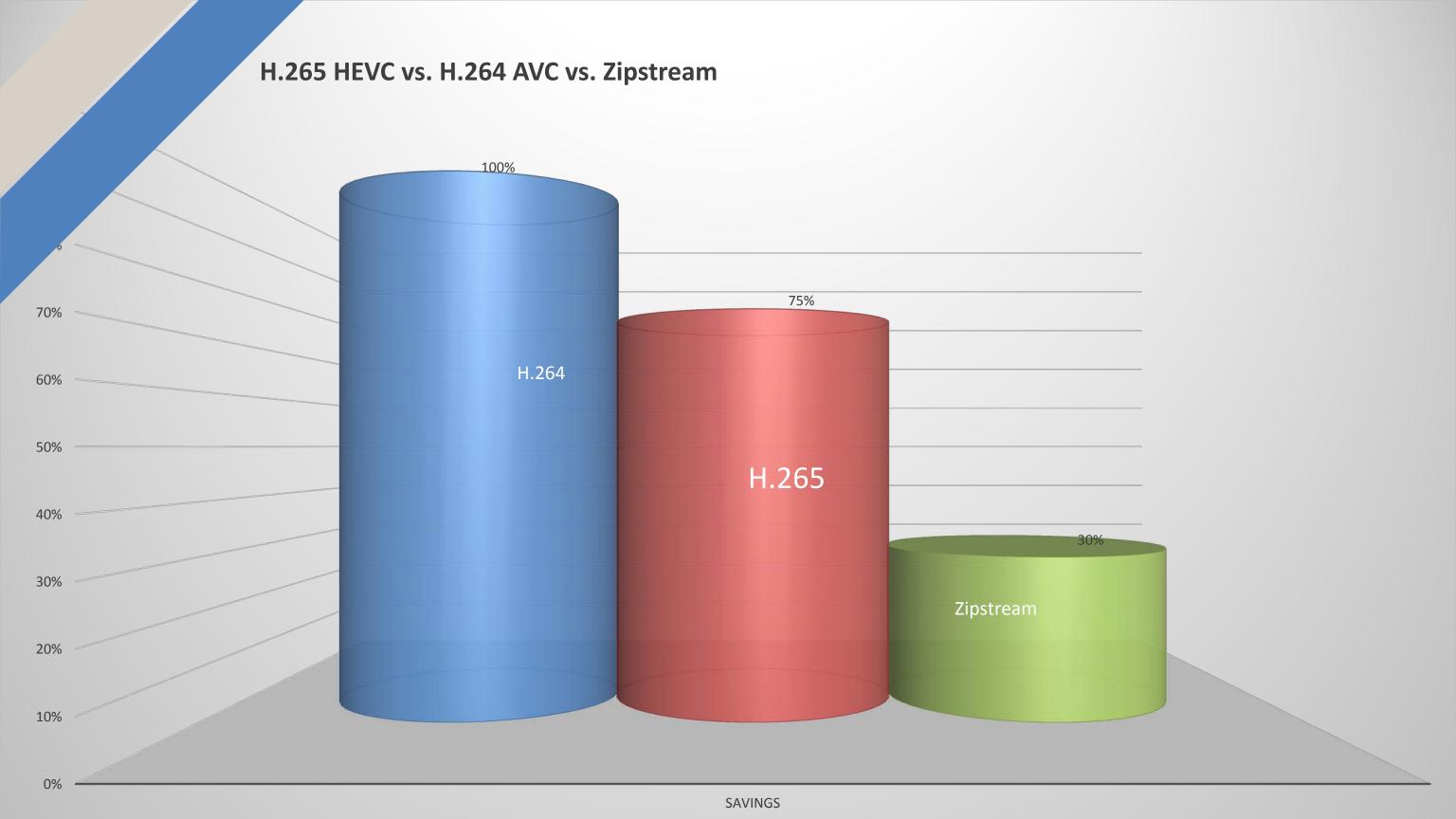
Third graph: Zipstream with Dynamic ROI + Dynamic GOP enabled



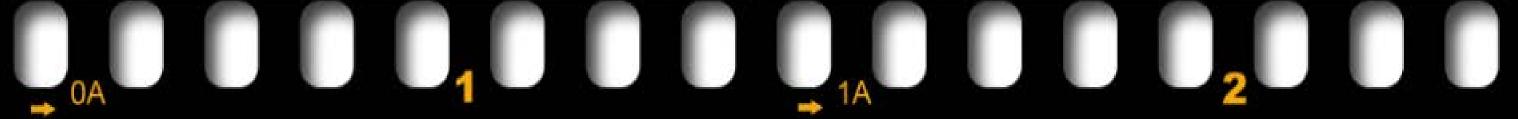


Reducing Bandwidth and Storage









THANK YOU



