



# Niagara 4.9

## Video Integration

\*This session will be recorded

# A Little Housekeeping:

This Session is being recorded

Please submit questions through the Zoom chat and I'll answer them at the end of the presentation

This session will be available for review:

<https://www.tridium.com/en/resources/events>

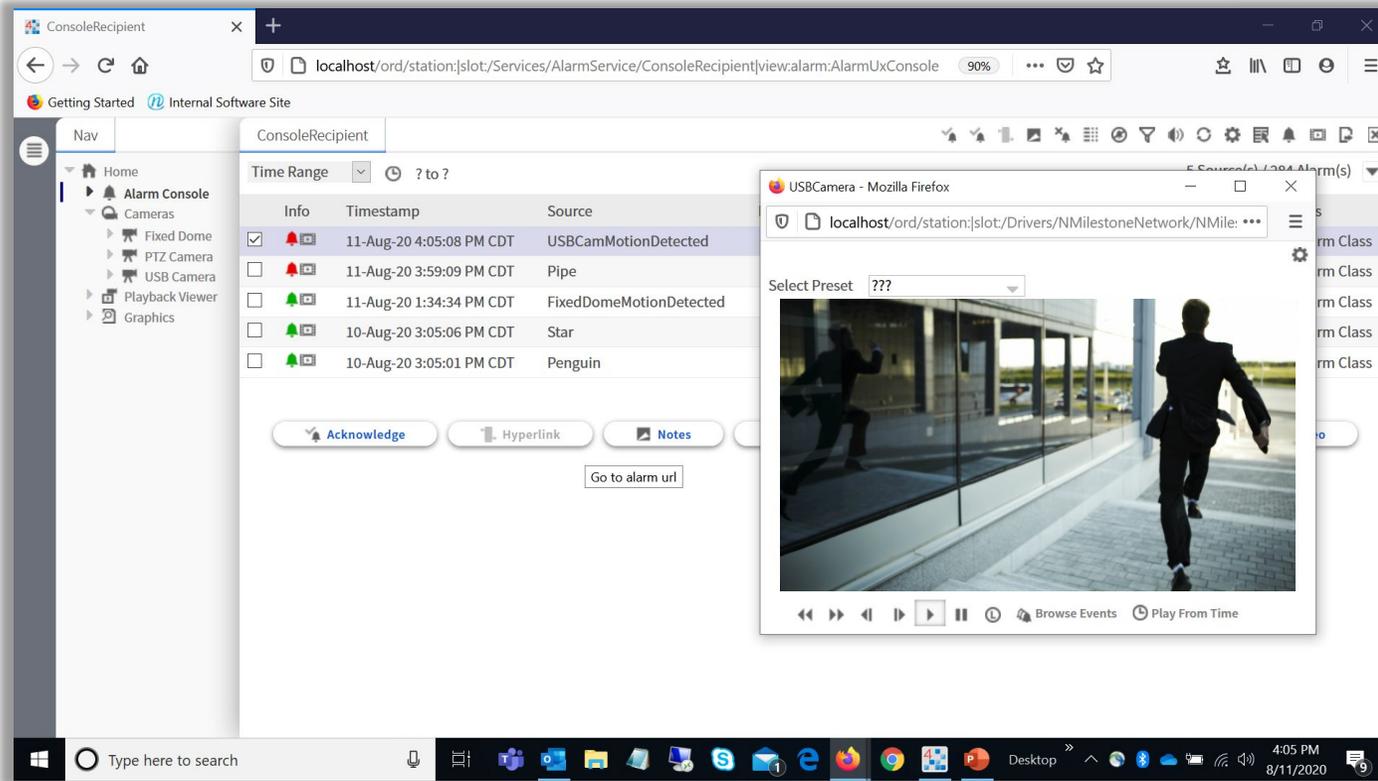
# New HTML5 Video Integration

It's not just for Security!

- Integrated Alarm Console
- VMD (Video Motion Detection) for lighting, security and occupancy.
- Space Utilization Data
- PTZ Control
- Mobile Access



# Integrated Alarm Console



- View video associated with an alarm
- Review pre-alarm video
- Search for video events

# Add Context to Your Data



Better than a graphic!

Live video with live data!

Monitor workers in high-risk spaces

Is it safe to enter a space?

# Enhance Security and Safety



Use video motion detection to:

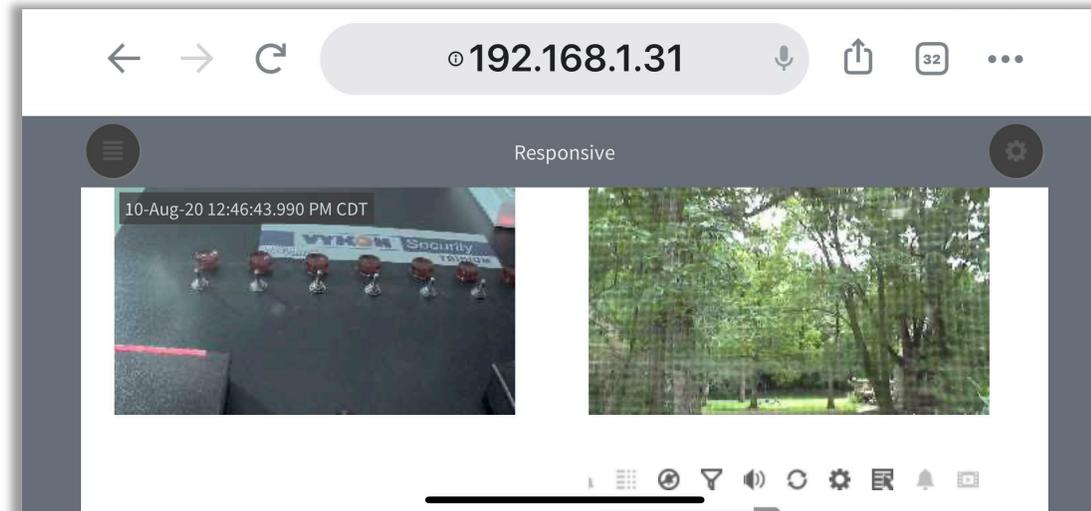
- Turn on lights
- Notify Security Staff
- Monitor a situation

# Mobile Accessibility



Video Streams can be viewed on mobile devices.

Screenshots shown are from an iPhone10 using Chrome



# Video Drivers

Milestone (Same part # for both Milestone drivers)

- nmilestone for Milestone Xprotect® Professional 2019 R2 (Legacy)
- xprotect for Milestone Xprotect® Professional+ & Corporate 2019 R3
- Supported Browsers: Chrome and Firefox

Axis Cameras (naxisVideo)

- Live video streaming only (no recorded video)
- Token authentication (requires login with browser) for versions 7.1+
- Browser authentication for versions below 7.1
- Supported Browsers: Mozilla (H.264 & MJPEG), Chrome (MJPEG )
- Camera versions below 6.3 are not supported.

Maxpro NVR (maxpro)

- Tested with Maxpro version 4.5.0.162+
- Requires Web Launcher for viewing video streams due to Java dependencies. Update for this driver is on the roadmap.

**Ordering information:**

<https://www.tridium.com/en/products-services/niagara-enterprise-security>

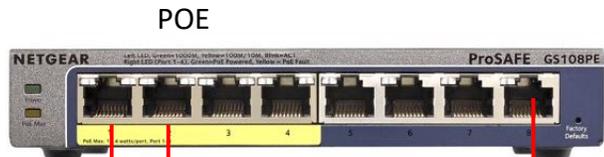
# Video Storage and Bandwidth Calculators

Required info for each camera:

- Frames Per Second (FPS)
- Resolution
- Compression
  - H.265
  - H.264
  - MJPEG
  - MPEG4
  - RTSP
  - Zipstream
- Days of Storage
- Recording Parameters
  - Record only on motion
  - Record only certain hours
  - Background recording

General Standards:

- 30 FPS provides movie-quality video
- 5 FPS is sufficient for most surveillance
- Record on motion is typically used for after hours recording
- Background recording is typically 1 or less FPS



Fixed Dome PTZ



USB Webcam



Router

Video streaming is isolated from data network and internet.

- Performance
- Security

Coming Soon

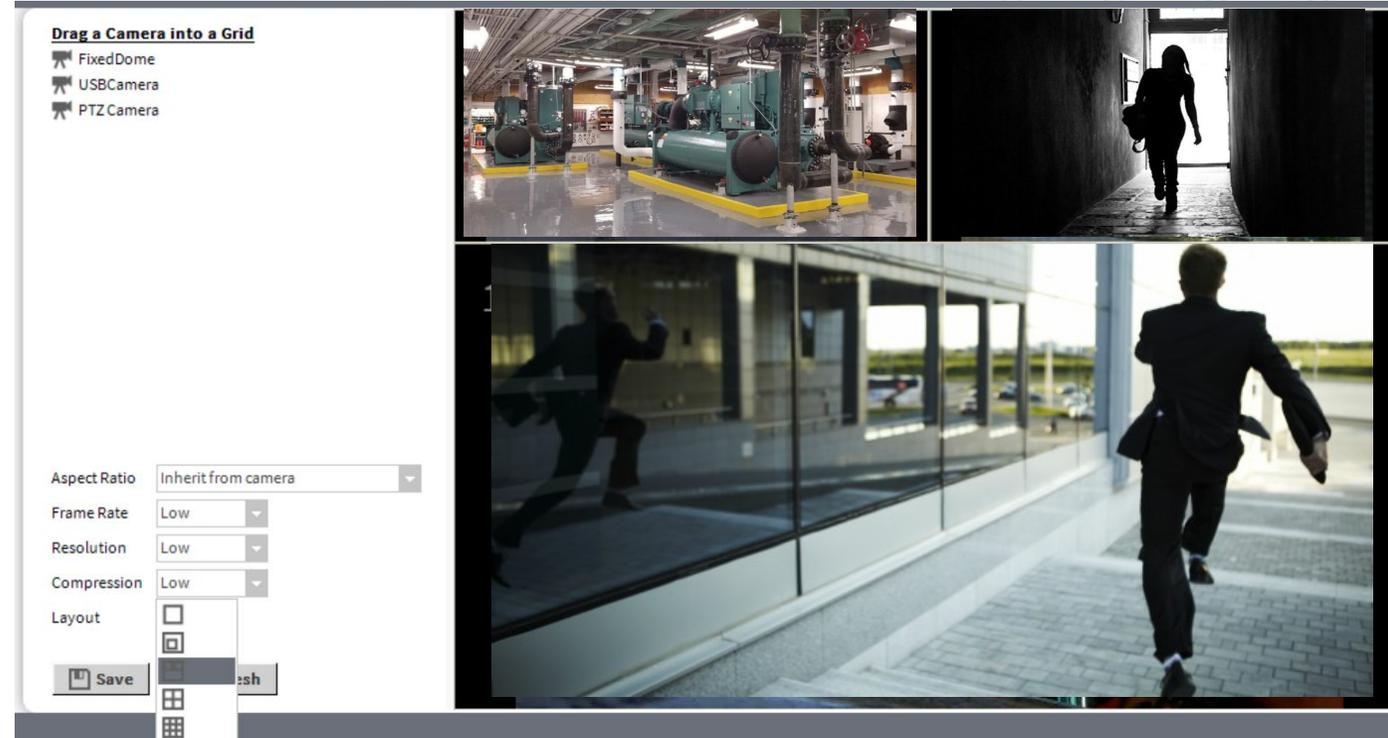
# New Video Features - N4.10

## HTML5

- Video Surveillance Viewer
- Photo ID Viewer  
(Enterprise Security)

## Axis Camera Discovery

- New labor-saving feature that scans your local network for Axis cameras.



# Thank You!

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[www.Niagara-community.com](http://www.Niagara-community.com) and explore our University and Community sites

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