Arecont Camera Video Loss with Large Frame Sizes

Issue

Some cameras are capable of creating large frame sizes. There are two issues that can be encountered by unreasonably large frame sizes.

As frame size increases the likelihood of the exacqVision recorder throttling increases.

A frame size > 4MB will cause exacqVision to display "Acquiring Video" message instead of the actual video stream. This has been known to be an issue with certain Arecont Cameras which are capable of producing large frame sizes.

Resolution

To reduce frame sizes:

1. Use H.264 encoding
2. Reduce the image quality level
3. Ensure lighting is adequate, (natural or IR)
4. For Arecont Cameras check the following settings:

- Increase the low-light noise filter from the default (50) to the maximum (100). This setting can be changed on the Image tab for a single-sensor camera, or the Settings window for panoramics.
  (http://{IPADDRESS}/set?spacialfilter=100 works for both types)
- Change the exposure mode from the default (Balanced) to Quality. This setting can be changed in the same location as the low-light noise filter.
  (http://{IPADDRESS}/set?lowlight=quality for single-sensor cameras, or http://{IPADDRESS}/set{n}?lowlight=quality, where "{n}" is a setting from 1-4, for panoramics)
- Turn on binning mode in night mode. This setting can be changed on the Image tab for a single-sensor camera, or the Settings window for panoramics.