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r/frigate_nvr



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r/frigate_nvr • 1 yr. ago

Kerzizi



Is there any particular reason to use the substream for viewing a camera feed?

So, many cameras put out a mainstream and a substream, right? And from what I've gathered, the purpose of the substream is to provide a lower-quality "preview" feed for observing live on a monitor or something.

But why is that necessary? Why not just use the high-quality mainstream to view *and* record from?

At first, I thought the answer would be CPU limitations. And maybe in some systems, it is? But I'm just running Frigate on an old laptop I had lying around. It's running a Linux server with Frigate in a Docker container, and the computer is running several other Docker containers at the same time. I have several cameras connected to it, and even with Frigate configured to do *everything* with the mainstream, I'm not really seeing a meaningful CPU hit.



3



7



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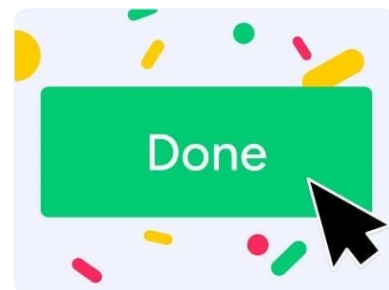
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reddit_user_53 • 1y ago

If you are running just a few cameras, the cpu hit is not that big to use the main stream for everything. However, if we are talking about *detection*, it is completely unnecessary to use a high-res image to compare to a low-res model unless you need to detect objects that are far away. It's not just just cpu hit, it's also money for electricity that will add up over time. If you aren't using frigate to detect at all, it shouldn't make a difference which stream you use other than for storage size.



5



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nickm_27 • 1y ago

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As far as viewing live, I personally use the sub stream because I mostly view on my phone and prefer to have lower bandwidth so the stream uses less data and is faster since the extra resolution doesn't matter anyway

⬇️ 4 ⬆️ Reply ...



naynner • 1y ago

I'm guessing you're referring to your 1080 sub streams.

Some day I hope to upgrade my cameras to ones with multiple sub streams. The 640x480 is pretty garbage for outdoor cameras, even on mobile. But it's still handy when remote.

⬆️ 1 ⬇️ Reply ...

⊕ 1 more reply



phin586 • 1y ago

Curious as well

⬆️ 1 ⬇️ Reply ...



7aklhz • 1y ago

For Reolink, main stream is limited to 2 Simultaneous viewers whereas substream has a larger limitation (5 or 7)

⬆️ 1 ⬇️ Reply ...



Congenital_Optimizer • 1y ago

Many cameras can't handle many clients. CPUs on them are just enough to get the job done.

I have a reolink that if you have two clients looking at the hd stream it starts to get visual glitches.

The Amcrests I have can handle 3 or more before they just freeze up.

Scaling an HD down to a more efficient for processing stream also leads to more artifacts and wasted power. Compare motion detection on an HD stream vs an SD stream sometime. SD trends to have less noise. Normally SD gives better results.

⬆️ 1 ⬇️ Reply ...

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r/Shadows_of_Doubt • 2 mo. ago

I love CCTV Cameras

37 upvotes · 15 comments



r/blender • 4 mo. ago

Surveillance Cameras

813 upvotes · 32 comments



r/SilveradoEV • 2 mo. ago

Recording onboard cameras?

9 upvotes · 15 comments



r/mysteriesoftheworld • 4 mo. ago

Weird coincidence or home surveillance interference?

40 upvotes · 7 comments



r/spycameras • 19 days ago

Spy cam bought for safety purposes, I don't know how it works

5 upvotes · 4 comments



r/CSCareerHacking • 2 mo. ago

The truth about camera on vs camera off??

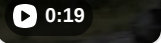
38 upvotes · 11 comments



r/DabblersAnonymous • 3 mo. ago

Prevent Recording of show

36 upvotes · 35 comments

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100 upvotes · 19 comments



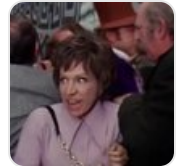
r/talesfromtechsupport • 3 mo. ago

Camera isn't working

570 upvotes · 89 comments



r/grandpajoeate • 9 days ago

What exactly is going on in this factory cam security footage ?

45 upvotes · 13 comments



r/talesfromtechsupport • 1 mo. ago

Cameras ate my network

396 upvotes · 50 comments



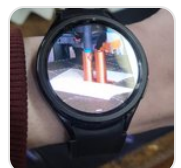
r/SparklePlayer • 2 mo. ago

Live TV keeps freezing

6 upvotes · 35 comments



r/3Dprinting • 3 days ago

I don't trust it anymore. It needs supervision. (IP Webcam streaming to Galaxy watch over lan)

816 upvotes · 31 comments



r/Thrifty • 7 days ago

Dropped Streaming, Using Smart TV Live

41 upvotes · 38 comments



r/arlo • 1 yr. ago

Is there a way to stream live feed on a monitor?

4 upvotes · 7 comments



r/Plex • 1 yr. ago

Is there a reason not to set up plex on my main computer?

28 upvotes · 84 comments

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1 upvote · 1 comment



r/Windows11 • 1 yr. ago

Is there an App to control all media playback?

1 upvote · 3 comments



r/VirtualYoutubers • 1 yr. ago

Is there a reason not to play games through the OBS preview window?

15 upvotes · 8 comments



r/htmlx • 1 yr. ago

Is there a way to disable scrolling for certain boosted links?

3 upvotes · 8 comments



r/dataengineering • 1 yr. ago

Is there any reason to use Spark or Flink for stateless non aggregative streaming application?

4 upvotes · 2 comments



r/nosleep • 16 days ago

I covered my webcam so no one could watch me. Then I heard a voice.

132 upvotes · 9 comments



r/SecurityCamera • 3 mo. ago

IP Camera Keeps Disconnecting

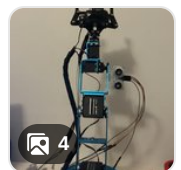
5 upvotes · 6 comments



r/robotics • 2 mo. ago

I NEED this cam to work!!!

51 upvotes · 13 comments



r/TF2_Observers • 9 days ago

First day on the job, are disguised recording devices allowed?

264 upvotes · 15 comments





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