Digital vs Analog Cameras
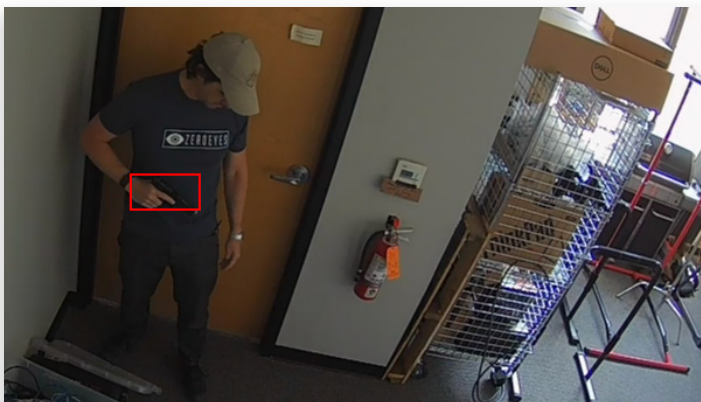
ZeroEyes delivers a proactive visual gun detection solution that integrates into existing digital security cameras.

We only integrate with digital camera systems and choose not to work with analog systems. Due to the rate of failure, incapability, and poor resolution, we no longer support analog cameras as well.

DIGITAL VS ANALOG CAMERAS: KEY DIFFERENCES

Digital Cameras

Resolution: Digital cameras have much higher resolutions than analog cameras. This is due to several reasons that mainly relate back to the 2 main issues created by signal types.
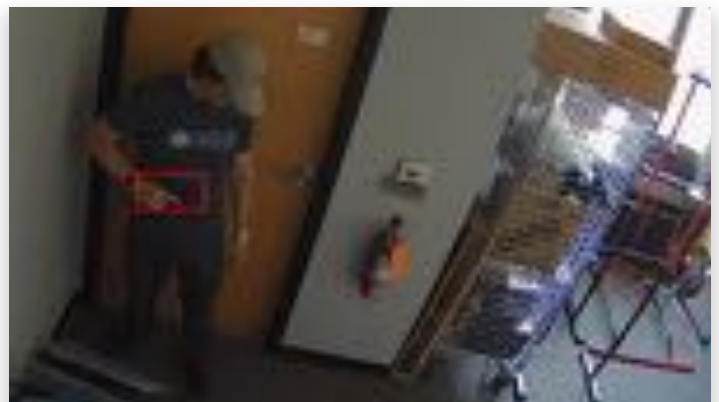

Frame Rate: Digital cameras have a much higher frame rate capacity since they can save raw digitized image data, resulting in smoother video streams.

Cable: Uses ethernet cable. (In some cases, digital cameras may be wireless and connected to Wi-Fi). You will typically see one cable from the camera.

Analog Cameras

Resolution: For a computer to understand an analog signal, it must perform one or more conversions from analog to digital. This can lead to reduced resolution quality depending on transmission hardware.

Frame Rate: Analog cameras often experience lower frame rates than their digital counterparts, resulting in potential video delays and lagging.

Cables: Uses coaxial cables. You will see two cables from the camera.

SCAN ME TO LEARN MORE.

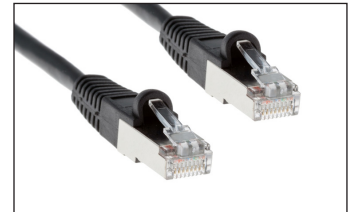# HOW TO TELL IF YOU HAVE DIGITAL OR ANALOG CAMERAS

If you're unsure what type of camera system you have, here are characteristics to look for:

Cabling: Digital cameras use ethernet cables or can even be wireless, while analog systems have multiple cables (including COAX connections) coming out of each camera.

Terminology: Digital cameras are also referred to as Internet Protocol (IP) Cameras or Networks Cameras—if you've heard this terminology at your organization, you likely have a digital camera system. Analog cameras may sometimes be referred to as coax cameras.

Coaxial

Ethernet

Getting Started with ZeroEyes

Regardless of the camera system your organization currently has in place, please feel free to reach out to us here if you're interested in enhancing your security with lifesaving visual gun detection technology.

We can help you identify what types of cameras you have and whether our technology is compatible. If you are interested in changing from an analog system to a digital system, ZeroEyes also has partners we can recommend with top-quality digital cameras.

✓ **Software integrates into your existing digital security cameras**

✓ **More affordable than metal detectors, acoustic gunshot detection, or concealed weapons sensors**

✓ **Quick remote or on-site installation process**

✓ **Easy-to-use desktop and mobile interface**

About ZeroEyes

ZeroEyes delivers a proactive visual A.I. gun detection solution that integrates into existing digital security cameras to stop mass shootings by reducing response times, providing actionable, human-verified situational awareness and delivering clarity to first responders – ultimately saving lives. It's been awarded the SAFETY Act Designation from the Department of Homeland Security.

ZeroEyes holds The Department of Homeland Security SAFETY Act Designation to give our customers peace of mind when it comes to security and liability.