



D3DEFENSE

AI Threat Detection Response

D3Defense Compatibility and System requirements

There is only one system we are aware of that is not compatible - Verkada. They are a proprietary system that doesn't allow integration yet (kind of like the Apple of the video world).

Cameras:

- *Required* to be ONVIF compatible and RTSP streaming capable.

ONVIF (Open Network Video Interface Forum) - A forum that helps standardize the IP-based surveillance camera industry, helping with interoperability between network video products regardless of manufacturer.

RTSP (Real Time Streaming Protocol) - Used for establishing and controlling media sessions between end points.

- Resolution - 4K (outside or large areas); 1080p (indoors or smaller areas)

- Field of View (FOV) - *Recommended* 70 degree optical FOV

- Nighttime/low-light detection - *Required* to retain a 1/500th second shutter speed in both daytime and nighttime to ensure that non-blurry surveillance video is captured for accurate analysis. And low-light areas must have sufficient lighting. *Recommended* - cameras that are optimized for capturing low-light scenarios with high-ISO/low-grain capability built-in. IR mode is currently not supported.

Video Recorder:

- *Required* - NVR or VMS to record video surveillance for liability purposes.

NVR (Network Video Recorder) or VMS (Video Management System) will allow for the playback of footage if an incident occurs.

- ONVIF compatible is required if security cameras are connected to the VR and the VR is connected to the Defendry Appliance. This allows live, ONVIF compatible video streams to be passed through the recorder to the Defendry appliance.

- Non-ONVIF compatible may be used if security cameras are connected directly to a switch/router and then connected to **both** the Defendry Appliance and video recorder.