
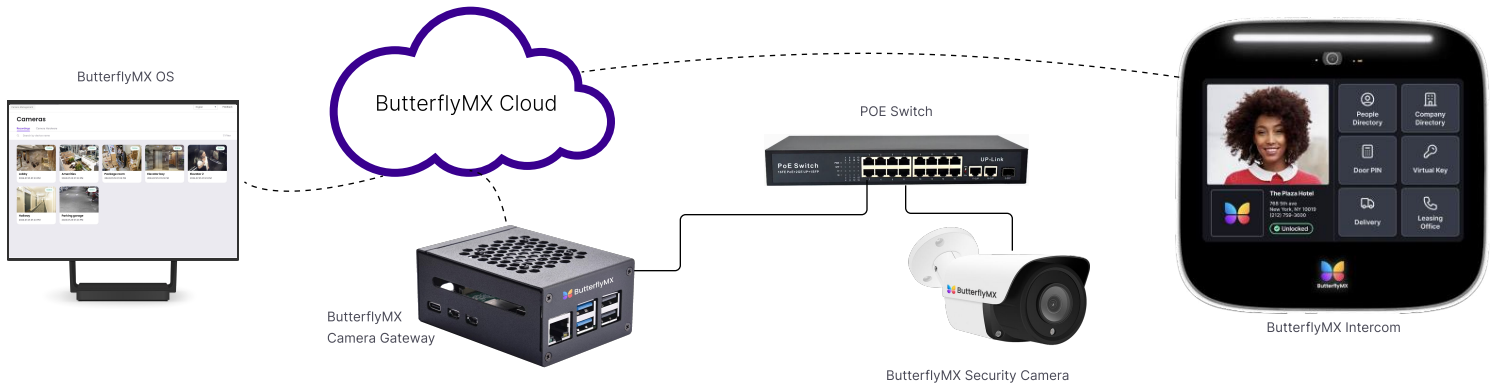


Introducing: ButterflyMX Security Cameras

 Images are not to scale.

The ButterflyMX Security Camera solution integrates seamlessly into the ButterflyMX ecosystem - allowing you to see video streams for access events in the audit log, view live streams for all camera locations, and view historical footage by date and time. Compatible with most ONVIF IP cameras, our Camera Gateway can turn an existing camera into a ButterflyMX Security Camera for an easy retrofit experience.



Hardware Requirements

ButterflyMX Camera Gateway



Connect up to 10 IP ONVIF cameras into the same network as the ButterflyMX Camera Gateway for integration with the ButterflyMX OS. The Camera Gateway is compatible with both ButterflyMX and most 3rd-party IP, ONVIF cameras, and is required for all camera installations.

ButterflyMX Security Cameras

ButterflyMX Bullet

Long-range & visible
NDAA Compliant, IP66



ButterflyMX Dome

Maximum durability for day and night
NDAA Compliant, IP66



3rd Party Camera Hardware

The ButterflyMX Camera Gateway is compatible the vast majority of IP ONVIF cameras:

- Compatible with all cameras using **ONVIF 20.06 and above** (June 2020 and beyond).
- Compatible with 99% of ONVIF cameras using firmware versions earlier than 20.06.
- Not compatible with analog cameras.

We are currently compiling a reference list of compatible ONVIF cameras that we expect to be able to share by August 2024. In the mean time, if you have questions about whether or not the ButterflyMX Cameras solution will support your camera, please reach out to solutions-architecture@butterflymx.com and we will work with you to verify compatibility.

Note that when connecting a 3rd party camera to the ButterflyMX Gateway and OS, additional configuration on the camera settings web page may be required.

Determining ONVIF Compatibility

How can I check to see if my existing security cameras are ONVIF compliant?

It's hard to predict how ONVIF is configured on 3rd party camera. Some cameras require it to be turned on in the device's settings page. Some cameras are compliant with ONVIF, but do not support all of the optional features (including editable camera settings, video analytics, motion detection, PTZ controls, and more). Some cameras have supported ONVIF in previous firmware versions, but broke or removed ONVIF compatibility with a later release.

In short, determining compatibility of existing cameras can be a technical process, and we're here to help. Here are the options to determine your camera's ONVIF compliance and ButterflyMX compatibility:

- 1. Send us your camera.** If all of your cameras are produced by the same manufacturer, you can either send us make, model, and purchase date, or take one of the cameras off the wall and ship it to us, where we'll determine compatibility in our facilities.
- 2. We'll send you our gateway**.** We can ship you our ButterflyMX Gateway to test if your cameras are compatible. Simply plug the cameras and gateway into the same network, and the ButterflyMX OS will reflect whether or not the cameras are compatible.
- 3. Download and install the ONVIF Device Manager (ODM) on your Windows device.** The ODM allows you to view the settings and configurations of all ONVIF-compliant cameras on your network. ButterflyMX can remotely download and install the software for you on your computer, and walk you through the steps of scanning your network for compatible ONVIF cameras. Note that you may have to enable ONVIF coverage in the camera's network settings.
- 4. Confirm ONVIF compatibility with the original camera manufacturer.** Reach out to the camera manufacturer with the model and firmware version of your camera, and they can tell you the ONVIF status.

If testing the cameras yourself, make sure that:

- 3rd party IP cameras are discoverable, and connected to the same network as the gateway or computer being used to scan.
- Sometimes, cameras plugged into an NVR may need to be factory reset before they can be detected by the gateway or scanner.

What is ONVIF?

ONVIF (Open Network Video Interface Forum) is a standard for IP camera firmware that allows IP cameras to communicate with other devices, even if they were not produced by the same manufacturer.

For example: You have a 10 security cameras purchased from Manufacturer X and want to integrate them with the ButterflyMX Access Platform. If your cameras are using ONVIF-complaint firmware, they can share data with the ButterflyMX Access Platform (assuming appropriate permissions are enabled) because they are able to "speak" to each other in ONVIF. However, if the cameras purchased from Manufacturer X were not ONVIF compliant, ButterflyMX would have no way of talking to the cameras and they would not be compatible.

Note that ONVIF refers to the firmware, not the hardware, of a camera. That means that it's possible for a camera to be updated to a new firmware version that changes ONVIF compliance; a firmware update could break existing ONVIF compliance or it could enable ONVIF compliance.

*** this option will be available when the ButterflyMX Gateway is in stock, in August 2024*