

## MA-SERIES CLOUD MANAGED HYBRID APPLIANCE

### QUICK START GUIDE

This guide will assist you with the initial setup of your cloud managed appliance and recording software. This guide includes hardware setup, software setup, network configuration, and connecting your appliance to OpenEye Web Services.

#### GETTING STARTED

1. Connect the network cable intended for remote connections to the Client Network Port.



**NOTE** The Camera Network Port is intended for use with a dedicated camera network.

2. Connect the supplied **mouse** using a USB ports.
3. Connect a **monitor** using the HDMI<sup>®</sup> or VGA port.
4. Connect the cameras to the BNC inputs.
5. Plug the supplied **power cord** into the recorder and connect it to a power source.

#### APEX SERVER SOFTWARE CREDENTIALS


Log in to the server software using the default credentials:

**Username:** admin

**Password:** 1234

Complete the **First Time Wizard** for basic system setup.

#### CONNECTING TO OPENEYE WEB SERVICES

1. Go to **Setup** , and navigate to the **Remote Services** tab.
2. Click **Web Services**.
3. Type your **Recorder Name & Registration Code**.

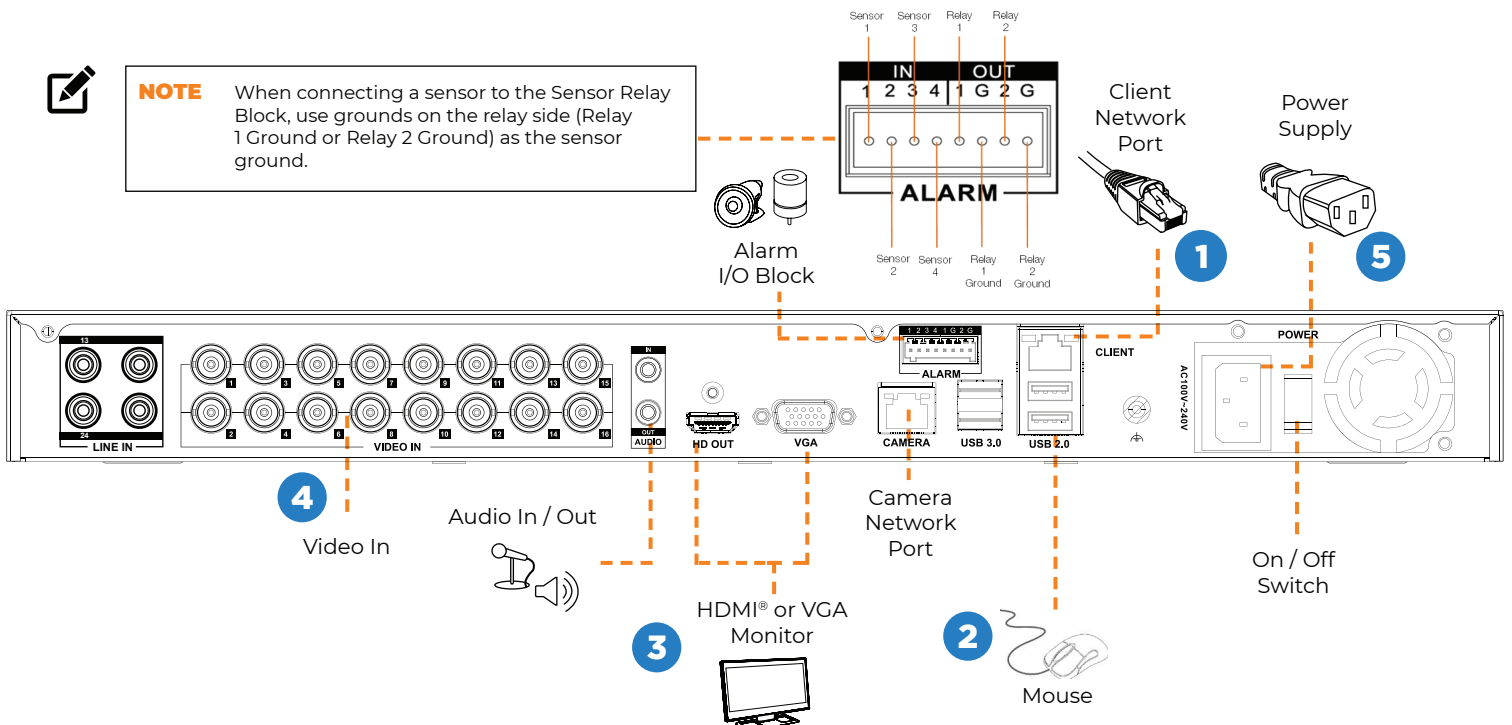


**NOTE** Reference the OWS Software Manual for instructions on finding your Recorder Registration Code.

4. Click **Connect**.



**NOTE** When connecting a sensor to the Sensor Relay Block, use grounds on the relay side (Relay 1 Ground or Relay 2 Ground) as the sensor ground.



## CAMERA MANAGEMENT


The MA-Series appliance supports connections with TVI, AHD, and CVBS cameras and can display OpenEye analog cameras when connected to the rear panel video inputs (BNC).




**NOTE** Third party cameras may need to be configured using a third party program before being added to Apex Appliance. Cameras that don't support ONVIF can be configured to record via RTSP streaming.

### Adding Cameras through the Camera Network Port

Apex Server software automatically detects OpenEye and other ONVIF Profile S compliant IP cameras with an IP address in the same range; 192.168.51.x. Cameras not meeting these requirements must be configured manually.

1. Click **Setup** , and then click **Cameras**.
2. Click **Add Cameras**.
3. For automatically detected cameras, select the camera(s) using the check boxes, and then type the appropriate **Username** and **Password**.
4. Click **Add Selected Cameras**.

### Adding Cameras Manually

1. Click **Setup** , and then click **Cameras**.
2. Click **Add Cameras**.
3. For cameras not automatically detected, click **Manually Add a Camera**.
4. Select the ONVIF or the RTSP protocol, and then type the appropriate **Username**, **Password**, **IP Address** and **Port**.
5. If you have more cameras to add manually, click **Save and Add New**; if you do not have more cameras to add, click **Save**.




**NOTE** When using RTSP, specify the individual URL streams for your cameras. For instructions regarding these streams, consult the camera's manual.

## ADVANCED CAMERA MANAGEMENT

Cameras set to static IP addresses, third party cameras, and cameras not supported by ONVIF may not be detected automatically. To configure cameras not automatically detected by Apex Server software, follow the steps below.

### Setting a Static IP Address with Network Camera Manager

1. Click **Setup** , and then click **Cameras**.
2. Click **Advanced**.
3. Select the camera(s) of which you would like to change the IP address to a static IP.



**NOTE** Selecting multiple cameras will set a static IP on all cameras, starting at the IP address entered and increasing with each camera. If necessary, reference the Network Camera Manager User manual for additional instruction.

4. Exit Network Camera Manager.
5. Follow the steps in the *Adding Cameras Manually* section, typing the **Static IP Address**.

### Adding Third Party Cameras

Third party cameras may require installing a manufacturer camera discovery tool on a separate PC. Once the camera discovery tool is installed, follow the steps for adding a camera with a static IP address or using DHCP as outlined above.

### Adding Cameras Not Supported by ONVIF

Cameras which are not ONVIF compliant must be added via RTSP stream. Consult the manufacturer's camera manual for more detailed information regarding RTSP streams. When you know the URL for the RTSP stream of your camera, follow the steps in the *Adding Cameras Manually* section, selecting RTSP protocol.

## Network Settings

<b>Remote Communication Port</b>	80 (8888 used if 80 is blocked)	<b>Camera Network (External Switch)</b>	<b>192.168.51.1 / 255.255.255.0</b> (Gateway and DNS blank)
<b>Client NIC IP Address</b>	DHCP		