OpenEye
The Cloud Video Platform

MH-SERIES GEN 2 CLOUD MANAGED SERVER
QUICK START GUIDE

GETTING STARTED

1. Connect the network cable intended for remote connections to the Client Network Port.
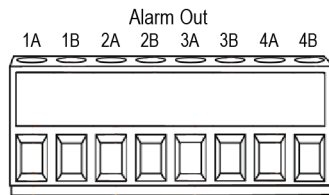
> **NOTE** The Camera Network Port is intended for use with a dedicated camera network.

2. Connect the supplied **mouse** using a USB ports.

3. Connect a **monitor**.

4. Plug the supplied **power cord** into the recorder and connect it to a power source.

SENSOR / RELAY (OPTIONAL)

Sensor IN
G 1 2 3 4

Alarm Out
1A 1B 2A 2B 3A 3B 4A 4B
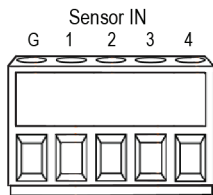
G = Ground
1-4 = Sensor 1-4

1A-4A = Ground 1-4
1B-4B = Relay 1-4

DEFAULT USERNAME & PASSWORD

WINDOWS USERS:
- NVRAdmin
- NVRUser

WINDOWS PASSWORD:
The server serial number is used as the default password for both accounts.

> **NOTE** The serial number can be found on the product label located on the side of the server.

> **NOTE** It is strongly recommended the password is changed during initial setup. See hardware manual for instructions.

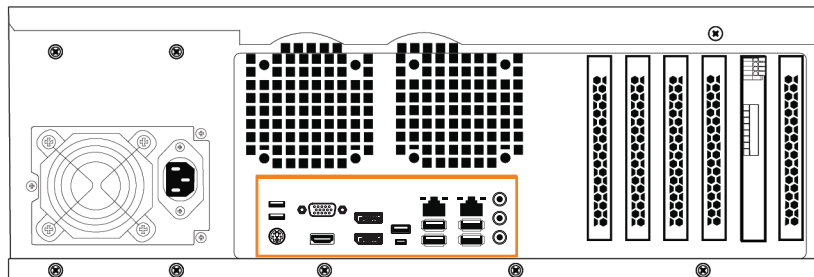**APEX LOGIN:**
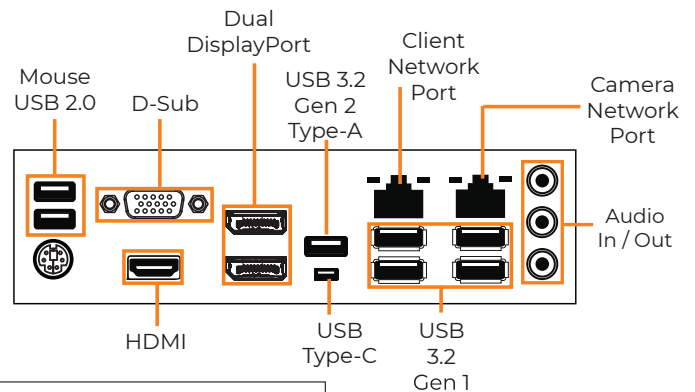Launch **Apex Server Home** from the desktop.
Log in to server software using default credentials:
- **Username:** admin
- **Password:** 1234

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

REAR I/O CONNECTIONS

- Mouse USB 2.0
- D-Sub
- Dual DisplayPort
- USB 3.2 Gen 2 Type-A
- Client Network Port
- Camera Network Port
- Audio In / Out
- HDMI
- USB Type-C
- USB 3.2 Gen 1

CONNECTING TO OPENEYE WEB SERVICES

1. Go to **Setup** ⚙, and then navigate to the **Remote Services** tab.

2. Click **Web Services**.

3. Enter the **Recorder Name** & **Registration Code**.

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

4. Click **Connect**.

CAMERA MANAGEMENT

Apex Server software automatically detects OpenEye and other ONVIF Profile S compliant cameras with an IP address in the same range; 192.168.51.x.

Cameras not meeting these requirements must be configured manually.

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

Adding Cameras through the Camera Network Port

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 **Add Cameras**.

2. Click **Manually Add a Camera**.

3. Select the ONVIF or the RTSP protocol, and then type the appropriate **Username**, **Password**, **IP Address** and **Port**.

4. 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 manual.

Setting a Static IP Address with Network Camera Manager

1. Launch **Network Camera Manager** using the icon on the desktop.

2. Select which camera(s) you want to change from the current IP address to a static IP address.

> ✎ **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 instructions.

3. Exit Network Camera Manager.

4. 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

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