

G-Series Micro NVR Quick Start Guide

Introduction

The exacqVision G-Series Micro is part of the Built By Exacq (BBE) line of network video recorders (NVR). The server is pre-installed with exacqVision video management software and can connect to 8 IP cameras.

Installation and safety requirements

Before you turn on the exacqVision G-Series Micro, ensure that you meet the following requirements.

- Mount the G-Series Micro in a dust-free and climate-controlled location where the temperature is between 40°F and 95°F (4.5°C to 35°C), and the humidity level is less than 80% non-condensing.
- Do not use this product near water or a heated source, such as a radiator.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Ensure that you leave sufficient space around the system for ventilation. Never insert objects into the ventilation openings.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.
- Do not mount the product at a height of more than two meters.
- When you have affixed the VESA display mounts, you must secure the display to prevent instability.
- Do not walk on the power cord or allow anything to rest on it.
- Do not allow liquids to enter the G-Series Micro.
- When the system is turned OFF, a small amount of electrical current still flows. Always unplug all power, modem, and network cables from the power outlets before cleaning the system.
- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer:
 - The power cord or plug is damaged.
 - Liquids enter into the system.
 - The system does not function correctly.
 - The system is dropped or the cabinet is damaged.
 - The system performance changes.

Network connection requirements

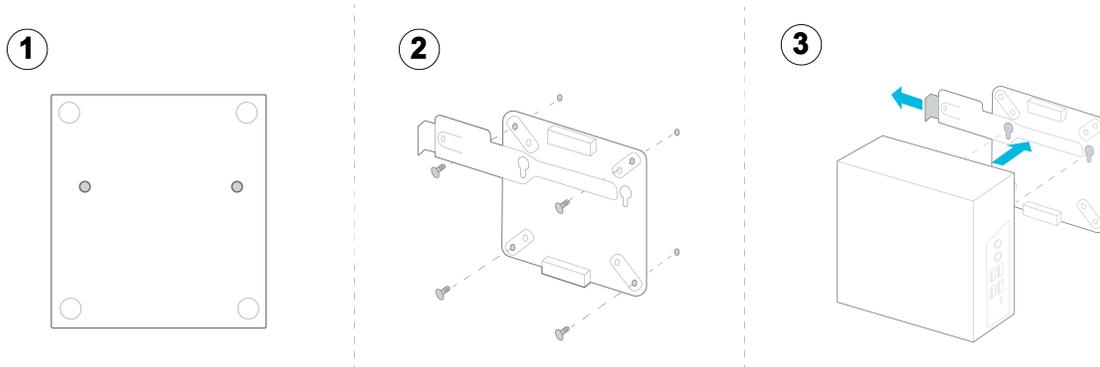
- If the video surveillance system does not have a physically isolated network, connect all IP cameras and one server network interface card (NIC) to a dedicated camera VLAN or dedicated physical camera network. For information on suggested configurations, see <https://support.exacq.com/#/knowledge-base/article/868>
 - Install the camera manufacturer's software on a PC in this subnet or configure the router to connect a client computer in the camera subnet. For information on how to configure the network, see [Configuring the server](#).
- Note:** A configuration that isolates the camera traffic reduces the chances of conflicts with other network traffic and unauthorized access to cameras.

Mounting the system with the VESA mount bracket

About this task:

You can use a VESA bracket to mount the system and a VESA mount compatible display.

Figure 1: Mounting the exacqVision G-Series Micro Standard system



1. On the underside of the G-Series Micro system, attach the two screws provided.
2. Use the screws provided to attach the VESA mounting plate to the rear of a compatible display.
3. Pull the metal lock on the VESA mounting plate outwards, then insert the screws on the underside of the G-Series Micro to the mounting holes of the VESA mounting plate.
4. Push the metal lock back toward the G-Series Micro until it securely snaps into place.

Starting the server

About this task:

When you start the G-Series Micro for the first time, create an operating system user name and password, then create an exacqVision user name and password.

1. Turn on the G-Series Micro.
2. To create an operating system user account, in the **Log on** dialog box, enter a user name and password.
3. Configure the operating system settings as required.
4. If prompted, log on to the operating system again with the operating system user name and password that you created.
5. To create an exacqVision admin user account, in the **exacqVision** dialog box, enter a user name and password.

Note: Use your exacqVision credentials to log on to the G-Series Micro.

Configuring the client

1. Start the exacqVision client application.
2. When you launch the local client for the first time, enter your exacqVision user name and password.
3. Verify that the server appears in the **Systems** list and displays a **Connected** status.

Configuring the server

1. Open the exacqVision client.
2. From the navigation tree, click **Configure System > Network**.
3. On the **Network** tab, choose one of the following options:
 - To install the server on a network that uses static IP addressing, click **Static**, and enter the IP address.
 - To install the server on a network using dynamic host configuration protocol (DHCP), click **Dynamic**. If the information does not configure automatically, contact your network administrator.
4. Click **Apply**.
5. Repeat this procedure for any additional network ports. For more information about configuring the server, see <https://exacq.com/support/manspecs/>.

Connecting the cameras

About this task:

To determine the compatibility of a particular camera model and firmware combination with exacqVision servers, use the following link: <http://www.exacq.com/support/ipcams.php>.

1. Use the camera manufacturer's software to configure the IP addresses for each camera, and record this information for future reference. For troubleshooting information on connecting cameras to the server, see <https://support.exacq.com/#/knowledge-base/article/2075>.
 - ❗ **Note:** Do not change the user name and password until after you establish connectivity with the exacqVision server.
2. To test the connectivity between the camera and the server, complete the following steps:
 - a. Log on to the operating system as an administrator.
 - b. In the address bar of your internet browser, type the camera's IP address.
 - c. Press **Enter**.
 - ❗ **Note:** If the browser does not display an introductory or logon window, the camera is not connected to the server. If the problem persists, refer to the *exacqVision User Manual*, and <https://support.exacq.com>.
3. To add a camera, in the exacqVision client, select **Configure System > Add IP Cameras > New** and enter the camera address and credentials. To bulk add cameras, you can use the **Find IP Cameras** and **Quick Add** tabs. For detailed information, see the *exacqVision User Manual*.
4. Repeat this process for all other camera connections.

Accessing the server from a client workstation

You can configure the server through a remote exacqVision client.

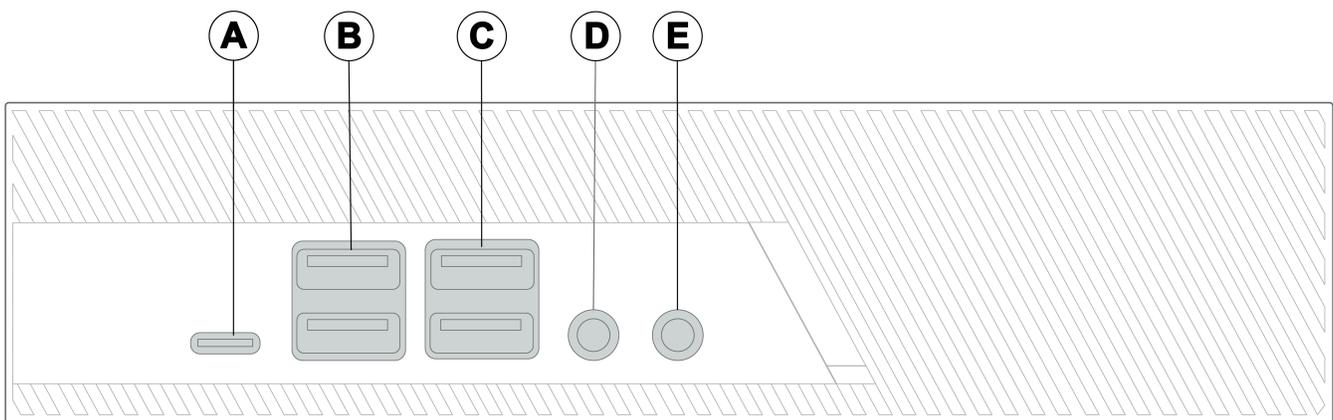
1. Download the latest exacqVision client software from the Exacq website at: <https://www.exacq.com/support/downloads.php>.
2. Install the client software on a system administrator computer.
3. Use the ping command and the server's IP address to confirm connectivity. If the client PC cannot communicate with the server, contact your network administrator.
 - ❗ **Note:** If the server does not connect to the client, check the remote client machine for antivirus software that can block communication between the server IP addresses and ports.

Cybersecurity

Cybersecurity guidance for use in planning, deployment, and maintenance periods is available in the [exacqVision Hardening Guide](#). For additional cybersecurity information and other resources, see <https://www.johnsoncontrols.com/trust-center/cybersecurity/resources#AdditionalResources>.

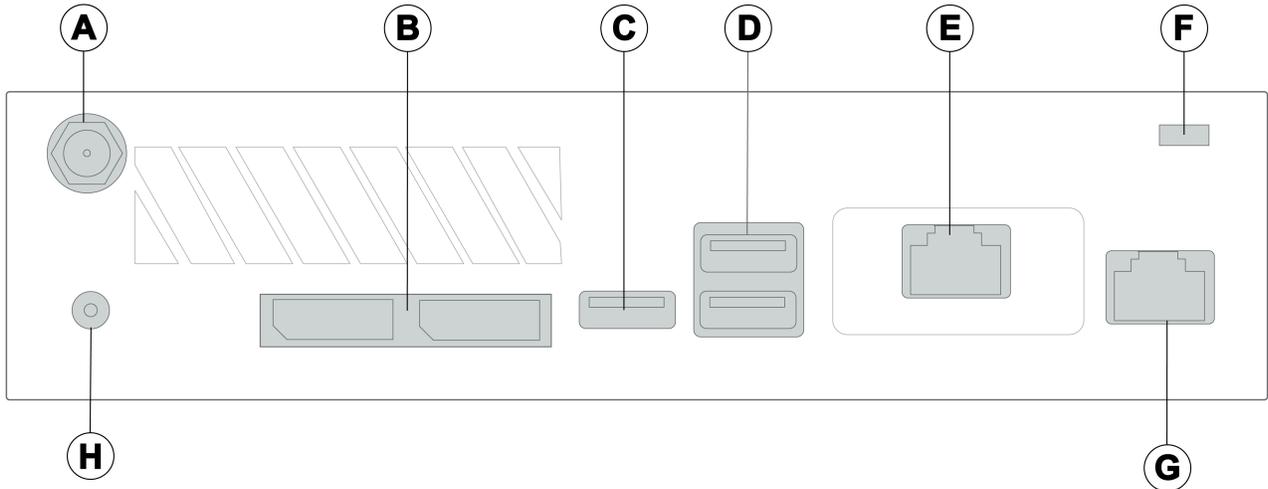
Hardware components

Figure 2: G-Series Micro front panel



Callout	Description	Callout	Description
A	USB 3.2 Gen 2x2 port	D	Headphone jack
B	2 x USB 3.0 ports	E	Microphone jack
C	2 x USB 2.0 ports		

Figure 3: G-Series Micro back panel



Callout	Description	Callout	Description
A	Antenna connection	E	2.5 Gbps Ethernet port
B	2 x DisplayPorts	F	Lock point
C	USB 2.0 port	G	Ethernet port
D	2 x USB 3.1 ports	H	DC in