

Quick Start Guide

GV-Enterprise



Thank you for purchasing GV-Enterprise. This guide is designed to assist the new user in getting immediate results from GV-Enterprise. For advanced information on how to use GV-Enterprise, please refer to *GV-Enterprise User's Manual*.



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June 2025

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Preface

Welcome to the *GV-Enterprise Quick Start Guide*.

This Quick Start Guide is designed for the following GV-Software:

Product	Version
GV-Enterprise	V1.0.0

Note: To support the GV-SNVR, GV-RNVR, and UA-SNVR series, UA-HD DVRs, and the latest GV-IP Cameras, UA-IP Cameras, and GV-Video Servers, you must download and use the following software versions from the [GeoVision Website](#):

1. GV-Enterprise V1.1.0 or later
2. GV-Enterprise Plugin V1.1.0 or later

For the complete list of newly supported IP devices, see *Version 1.1.0* in the [GV-Enterprise Version History](#).

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Chapter 1 Introduction

Welcome to the GV-Enterprise Quick Start Guide. This quick guide will guide you through the basic settings of GV-Enterprise, such as software installation and assigning cameras to the GV-Software it manages. For more details, see *GV-Enterprise User's Manual*.

1.1 Minimum System Requirements

The PC used to install GV-Enterprise must meet the following minimum system requirements.

OS		64-bit Windows 10 / 11, Server 2019 / 2022
CPU		6 th Generation i5-6400, 2.70 GHz
Memory		8 GB
Hard Disk	Installation	1 GB
	OS	32 GB
Graphics		Intel internal graphics
LAN		Gigabit Ethernet
Microsoft SQL Server		2014
Software		.Net Framework 3.5

Note:

1. GV-Enterprise can be installed either with Microsoft SQL Server on the same PC, or on a separate PC.
2. It is recommended that GV-Enterprise be installed on a separate PC from the GV-Software connected. If GV-Enterprise and GV-Control Center are installed on the same PC, the system requirements of the [GV-Control Center](#) must be met.
3. Users of **Windows Server 2019 and 2022** must install .Net Framework 3.5 and Microsoft SQL Server. For **Windows 10 and 11** users, the two applications are installed alongside GV-Enterprise.

1.2 License

License	GV-Control Center V4 USB dongle for GV-Enterprise to be executable
Note: GV-Control Center V4 has two types of licensing, USB dongle licensing and software licensing. GV-Enterprise is only compatible with GV-Control Center V4 USB dongle.	

1.3 Compatible GeoVision Software and IP Devices

GV-Enterprise can connect to and manage the following versions of GV-Software:

- **GV-Control Center:** V4.2.0 or later
- **GV-Edge Recording Manager:** V2.3.0.1 or later
- **GV-Recording Server / Video Gateway:** V2.1.1 or later
- **GV-VMS:** V18.3.2 with Patch, V17.4.7 with Patch or later

GV-Enterprise can connect to and manage the following IP devices:

- **GV-IP Cameras:** GV-ABL / ADR / AVD / BX / EBD / EFD / FER / GBL / GDR / GEB / GEBF / GPH / GVD / MFD / PBL / PDR / PFER / PTZ / QFER / QSD / RBL / REB / RFER / SD / TBL / TDR / TVD series
- **UA-IP Cameras:** UA-B580 / R500 / R580 / R800 series
- **GV-Video Servers**
- **SNVRs:** GV-SNVR / GV-RNVR / UA-SNVR series
- **HD DVRs:** UA-HD DVRs

Note: Only GV-Control Center and GV-Edge Recording Manager are supported for receiving streams from the GV-SNVR, GV-RNVR, and UA-SNVR series, as well as UA-HD DVRs.

The supported versions are:

1. GV-Control Center V4.2.1.12 or V4.3.0 or later
 2. GV-Edge Recording Manager V2.3.0.1 or later
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Chapter 2 Installation and Login

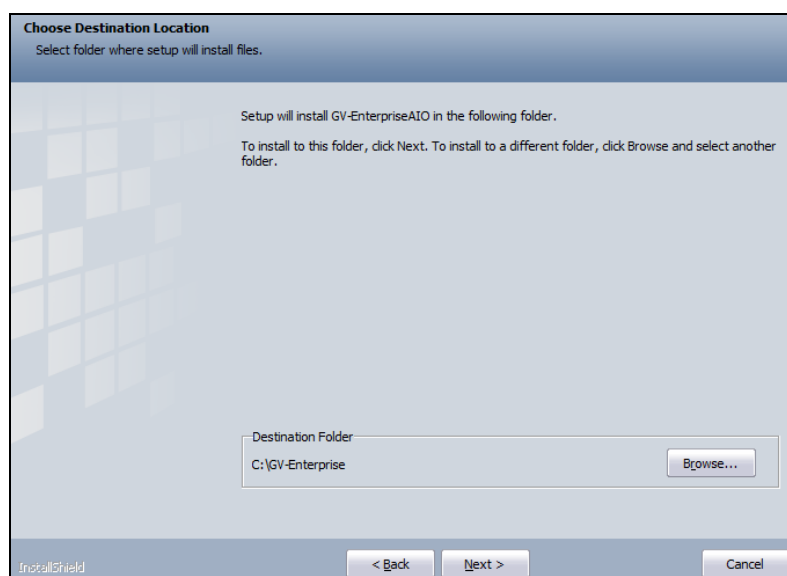
To begin, install the **GV-Enterprise** software on a dedicated computer and the **GV-Enterprise Plugin** on the GV-Software system to be managed.

2.1 Installing GV-Enterprise

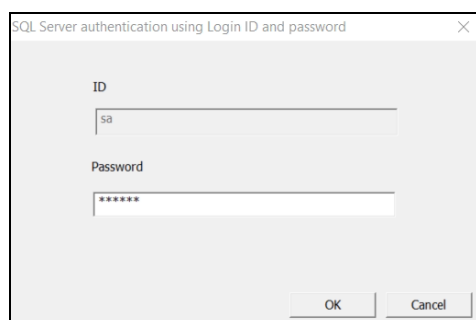
GV-Enterprise must be installed on a separate computer from the GV-Software system it manages.

Note: Prior to GV-Enterprise installation, users of **Windows Server 2019 and 2022** must install .Net Framework 3.5 and Microsoft SQL Server. For **Windows 10 and 11** users, these two applications are installed alongside GV-Enterprise. See *Appendix* in the user's manual for installation details.


1. Before installing GV-Enterprise, ensure the following:
 - A. GV-Control Center USB dongle or software license has been installed.
 - B. .Net Framework 3.5 and Microsoft SQL Server have been installed for Windows Server 2019 and 2022. See *Appendix A* and *B* for installation details.
2. Download and install **GV-Enterprise** from [GeoVision's website](#).
3. During the installation process,
 - A. Install the application to the default path: C:\GV-Enterprise, or click **Browse** to select a location to install it.

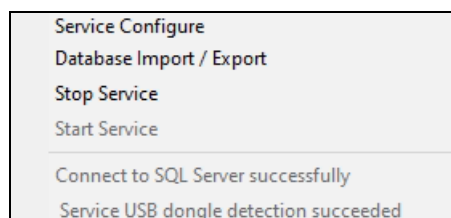


- B. When you are asked to create the password for the SQL Server administrator account (sa), type a password, and click **OK**.



4. After the installation is complete, the **Service Configure** dialog box appears.
 - A. In **Plugin Authentication**, set an authentication password for connecting *GV-Enterprise Plugin*, installed with the GV-Software to be managed, to GV-Enterprise Service.
 - B. Click **Test database connection**. The message “Connect to datasheet succeed” appears to indicate the SQL Server connection is created.
5. Click **OK** to apply the settings.

Once the SQL Server is connected, the icon  with a tick will be minimized to the system tray. You can click the icon and select **Service Configure** to adjust the connection settings, or select **Database Import / Export** to import or export GV-Enterprise database.

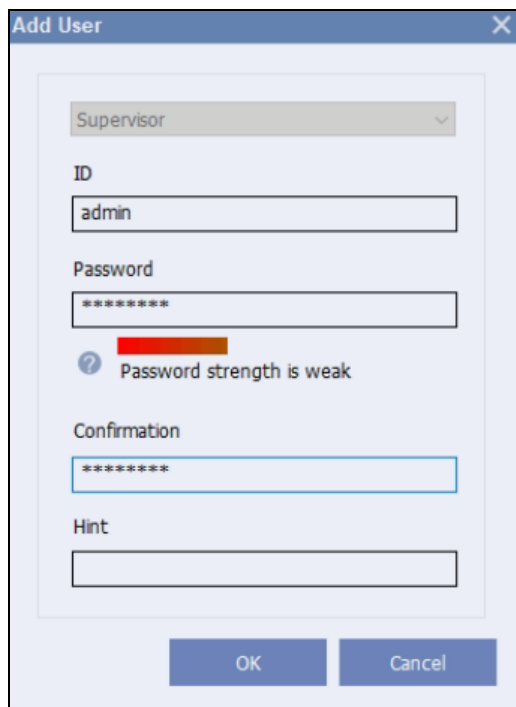


For details on Service Configure, see *2.1 Installing GV-Enterprise* in the user’s manual.

2.2 Logging into GV-Enterprise

For first-time users, you need to add a license to start the services.

Upon first-time startup of GV-Enterprise, you will be prompted to set a supervisor account for GV-Enterprise.



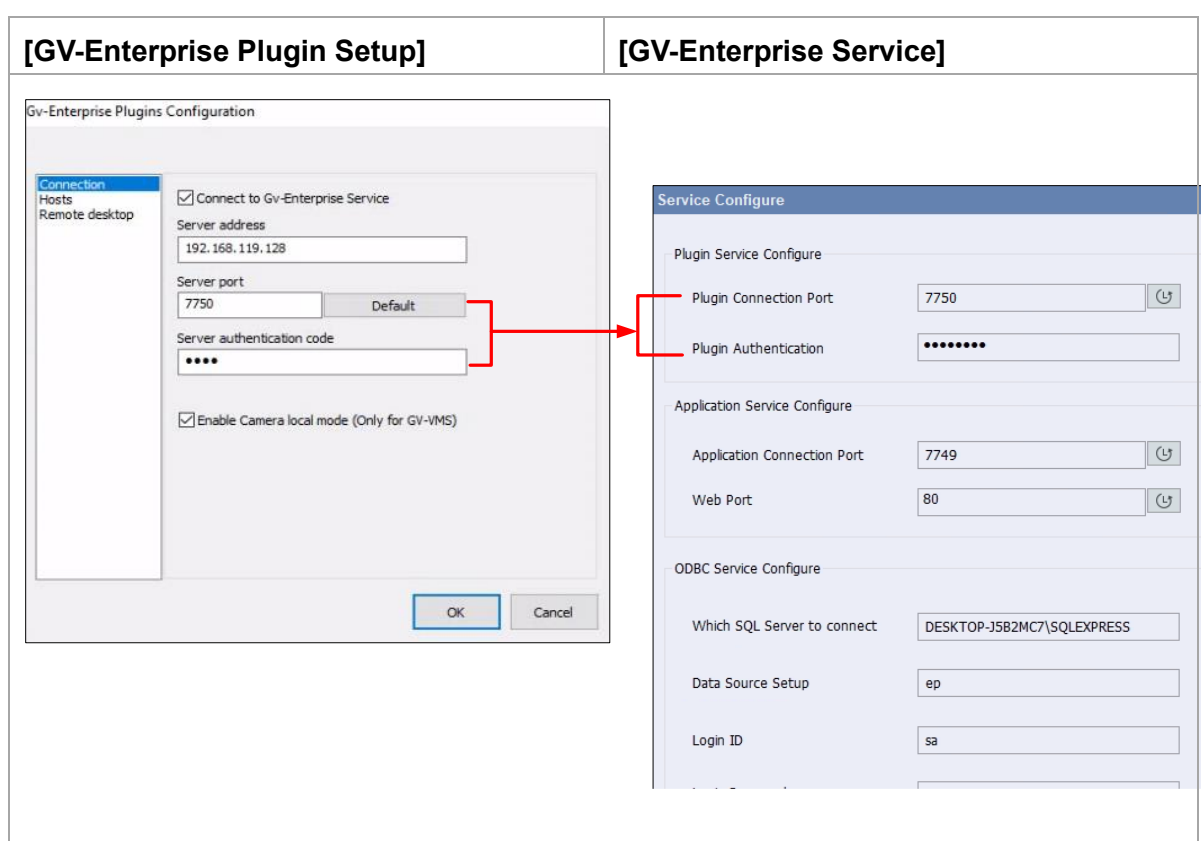
1. Type an **ID** and **Password** for the GV-Enterprise supervisor account.
2. In **Confirmation**, type the password again to confirm.
3. Optionally type a hint to remind you of the set password.
4. Click **OK**.
5. On the ID -admin dialog box, type an e-mail address which will be used to retrieve a forgotten password, and then click the **E-Mail** icon to configure an e-mail server. Alternatively, click **Cancel** to skip the settings.
6. On the Login window, type the **ID** and **Password** of the supervisor account again.
7. Click **OK** to log in.

2.3 Installing GV-Enterprise Plugin on GV-Software

Before GV-Software can be connected to and managed by GV-Enterprise, the required **GV-Enterprise Plugin** must be installed on it first. When GV-Software is connected to GV-Enterprise, its administrator rights, including the ability to upgrade GV-Software and add/remove cameras, are automatically turned over to GV-Enterprise for centralized management.

To install GV-Enterprise Plugin:


1. Stop and close all services of GV-Software.
2. Download and install **GV-Enterprise Plugin** from [GeoVision's website](#).
3. Once installed, you are prompted to set the required configurations for connecting GV-Enterprise Plugin, and thereby GV-Software to GV-Enterprise.



4. Select **Connect to GV-Enterprise Service** and type the **Server IP Address** of GV-Enterprise.
5. In **Server Port**, keep the default port 7750. You can also change the port to match the Plugin Connection Port.
6. In **Server Authentication Code**, type the same password as defined by Plugin

Authentication (see Step 4-A, *2.1 Installing GV-Enterprise*).

7. By default, **Enable Camera Local Mode (only for GV-VMS)** is enabled, which retains the cameras already connected to the GV-VMS when connected to GV-Enterprise.
8. Click **OK** to apply the settings.

After GV-Enterprise Plugin has been properly configured, run GV-Software and it will be automatically connected to GV-Enterprise. A tick will be displayed on the GV-Enterprise Plugin icon in the system tray , indicating successful connection.

IMPORTANT: The GV-VMS system operate in two ways. One method is to utilize GV-Enterprise to assign cameras to GV-VMS. The other is **Camera Local Mode** to retain the cameras already connected to GV-VMS when connected to GV-Enterprise. If the **Enabled Camera Local Mode** is disabled, the previously assigned cameras will be removed from the GV-VMS once connected to GV-Enterprise.

For details on the settings of GV-Enterprise Plugin, see *2.3 Installing GV-Enterprise Plugin on GV-Software* in the user's manual.



Chapter 3 Adding Devices

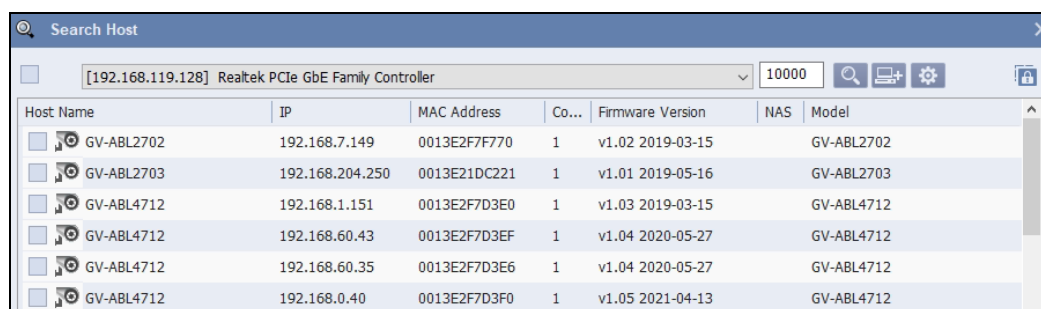
There are two ways to add devices (cameras / SNVRs / HD DVRs) to GV-Enterprise:







- **Searching for IP Devices:** Detect and add devices within the same LAN as GV-Enterprise. See *section 3.1*.
- **Adding IP Device Manually:** Add devices manually in the Camera Connection Information window or the SNVR Connection Information window. See *section 3.2*.


3.1 Searching for Devices

Only GeoVision and USAVision IP devices are compatible with the searching feature for locating devices (cameras / SNVRs / HD DVRs) within the same LAN. To add ONVIF IP devices, see *3.2 Adding Devices Manually*.

1. To detect cameras within the same LAN as GV-Enterprise, at the top left, click **Main Menu**  > **Search IP Devices**. The search starts.
2. If the system has more than one network interface card, select one and click **Search IP Device**  again.





Host Name	IP	MAC Address	Co...	Firmware Version	NAS	Model
 GV-ABL2702	192.168.7.149	0013E2F7F770	1	v1.02 2019-03-15		GV-ABL2702
 GV-ABL2703	192.168.204.250	0013E21DC221	1	v1.01 2019-05-16		GV-ABL2703
 GV-ABL4712	192.168.1.151	0013E2F7D3E0	1	v1.03 2019-03-15		GV-ABL4712
 GV-ABL4712	192.168.60.43	0013E2F7D3EF	1	v1.04 2020-05-27		GV-ABL4712
 GV-ABL4712	192.168.60.35	0013E2F7D3E6	1	v1.04 2020-05-27		GV-ABL4712
 GV-ABL4712	192.168.0.40	0013E2F7D3F0	1	v1.05 2021-04-13		GV-ABL4712

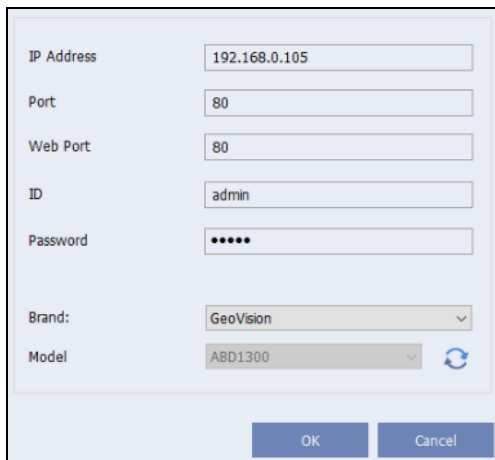
3. Select a camera. You are prompted to type its login **ID** and **Password**.
4. Once the desired cameras have been selected, click **Add to Enterprise Camera Connection Information**  to add.

For details on the Search IP Device window, see *3.3.1 Searching for Devices* in the user's manual.

3.2 Adding Devices Manually

To manually add a device (camera / SNVR / HD DVR) to GV-Enterprise, follow the steps below.

1. Click **Add Device**  in the **Camera Connection Information** window or the **SNVR Connection Information** window, depending on the device.
2. Type the **IP Address**, **Port**, and login **ID & Password** of the camera, select **GeoVision** or **Protocol** from the Brand dropdown list, and click **Update Information**  to detect the IP device.



IP Address	192.168.0.105
Port	80
Web Port	80
ID	admin
Password	*****
Brand:	GeoVision
Model	ABD1300

OK Cancel

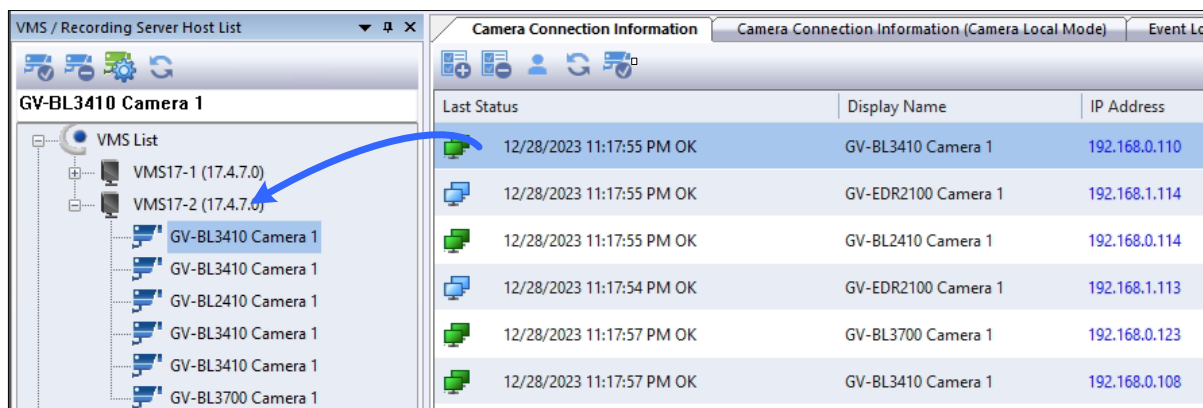
3. Click **OK**. The device is added to GV-Enterprise.

For details on adding devices, see *3.3.2 Adding Devices Manually* in the user's manual.

3.3 Assigning Devices to GV-Software

To assign cameras to GV-VMS, GV-Recording Server, GV-Video Gateway, or a Group, follow the steps below.

1. Simply drag cameras from the **Camera Connection Information** window to the desired GV-Software in the Host List or a Group.



2. Click **Apply to All**  in the Host List for the changes to take effect.

When a camera is assigned to a GV-Software, the camera icon will be shown in green



IMPORTANT: It is not required for you to assign cameras to GV-Control Center and GV-Edge Recording Manager. All cameras and software added to GV-Enterprise will be automatically reflected in the two GV-Software. The Hosts (cameras) displayed on the two GV-Software are then determined by the access rights of the user account logging in.

Note: Support for assigning analog channels of HD DVRs to GV-VMS and GV-Recording Server will be added in a future update.