GeoVision inc
The Vision of Security

GV-AI System V2 (Rev. B)

User's Manual



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GeoVision, Inc.
9F, No. 246, Sec. 1, Neihu Rd.,
Neihu District, Taipei, Taiwan
Tel: +886-2-8797-8377
Fax: +886-2-8797-8335
http://www.geovision.com.tw

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Scan the following QR codes for product warranty and technical support policy:

[Warranty]

[Technical Support Policy]

User's Manual for GV-AI System V2 (Rev. B)

Welcome to the GV-AI System V2 (Rev. B) User's Manual.

The Manual provides an overview of the GV-AI System V2 (Rev. B) and its accessories. It also includes the instructions to guide you through the installation and use of the GV-AI System V2 (Rev. B):

- **Chapter 1, Introduction**
  Identifies the accessories and options of the GV-AI System V2 (Rev. B).

- **Chapter 2, Overview**
  Identifies the components of the GV-AI System V2 (Rev. B).

- **Chapter 3, Getting Started**
  Provides step-by-step instructions on setting up the GV-AI System V2 (Rev. B).

- **Chapter 4, Troubleshooting**
  Suggests courses of action if the GV-AI System V2 (Rev. B) doesn't seem to be working properly.

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Safety Instructions

 Observe these safety instructions to help ensure against injury to yourself and damage to the product.

- **Read** all safety and installation instructions before you operate the product.
- **Do not operate** the product in high humidity areas or expose it to water or moisture.
- **Do not put** the product in an unstable, a slanting or vibrated place.
- **Do not block** any ventilation opening.
- **Do not install** the product near any heat sources such as radiator, heat register or other apparatus that produce heat.
- **Operate** the product using only the type of power source indicated on the marking label.
  - If you are in an area with unstable voltage, make sure to install an automatic voltage regulator (AVR) or a UPS power supply with AVR function, to maintain a constant voltage.
  - All damages to the power supply caused by unstable voltage are not included in the 2-year warranty service.
- **Do not defeat** the safety purpose of the grounding-type plug. A grounding plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- **Do not overload** wall outlets or extension cords, as this may cause fire or electric shock.
- **Do not use** the product when abnormality occurs, such as emitting smoke from the product, smelling burning, being damaged by drop, invasion of foreign objects inside the product, etc. Be always sure to remove the AC adaptor at once and contact your dealer.
- **Do not use** accessories or attachments not recommended by the manufacturer, as they may cause hazards and void the warranty.
- **Do not attempt** to service the product yourself, as removing the casing may expose you to dangerous voltage and void the warranty.

Chapter 1 Introduction

1.1 Packing List

The GV-AI System V2 (Rev. B) package includes the following items. If any of the items are missing or damaged, contact your dealer to arrange a replacement.

IMPORTANT: Please keep the original carton and all packing materials for future shipping needs.

1. GV-AI System V2 (Rev. B)
2. Keys for Hard Disk Safety Lock x 2
3. Power Cord (by region)
4. Screw Kit
5. Download Guide
6. Warranty Card

1.2 Supported Software

1. GV-AI FR
2. GV-AI Server
3. GV-AI Guard
4. GV-AIS (coming soon)
5. Other GV-Software (by request)

1.3 Options

Optional devices can expand your GV-AI System V2 (Rev. B)'s capabilities and versatility. Visit the product page for the information on the latest optional accessories.

Chapter 2 Overview

2.1 Front View

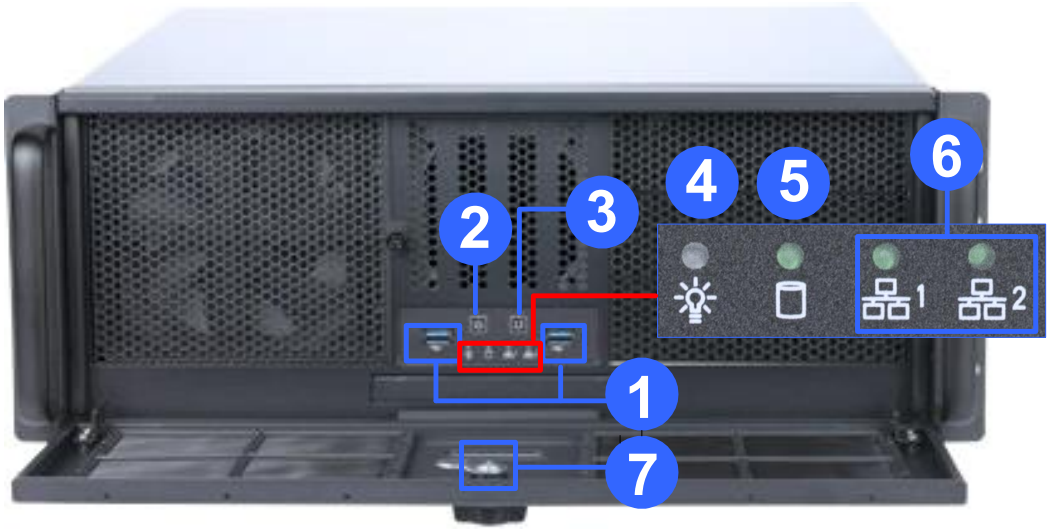


Figure 2-1

No.	Name	No.	Name
1	USB 3.2 (Type-A) x 2	5	HDD LED
2	Power Button	6	LAN LED (not functional)
3	Reset Button	7	Safety Lock (keys included, see *1.1 Packing List*)
4	Power LED		

2.2 Rear View

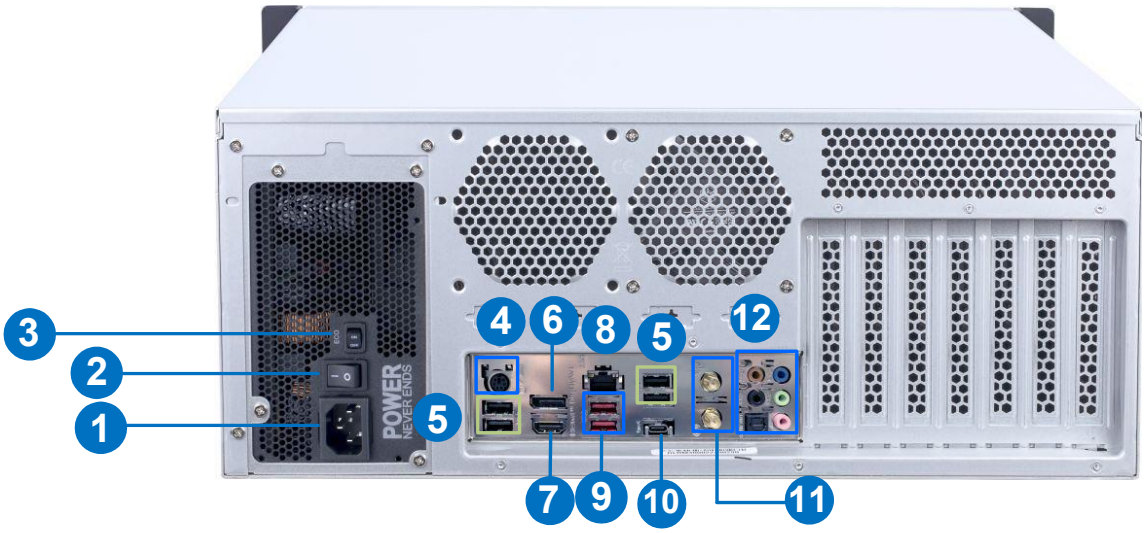


Figure 2-2

No.	Name	No.	Name
1	Power Connector	12	➢ Audio Jack x 6 ➢ Center Speaker Out (Orange) ➢ Rear Speaker Out (Black) ➢ Optical S/PDIF Out ➢ Line In (Blue) ➢ Line Out (Green) ➢ Mic In (Pink)
2	Power Switch		
3	ECO Switch		
4	PS/2 keyboard / mouse port		
5	USB 2.0 (Type-A) x 4		
6	DisplayPort 1.4 (up to 4K / 60Hz)		
7	HDMI (up to 4K / 60Hz)		
8	2.5 GbE LAN		
9	USB 3.2 (Type-A) x 2		
10	USB 3.2 (Type-C)		
11	Not functional x 2		

Note: The ECO Switch is ON by default. When the ECO Switch is ON, the redundant power supply fan will be powered on based on the temperature the system detects; when the ECO switch is OFF, the redundant power supply fan will always be powered on no matter the circumstances.

Chapter 3 Getting Started

3.1 Basic Installation

This section describes all the equipment required to program and operate the GV-AI System V2 (Rev. B).

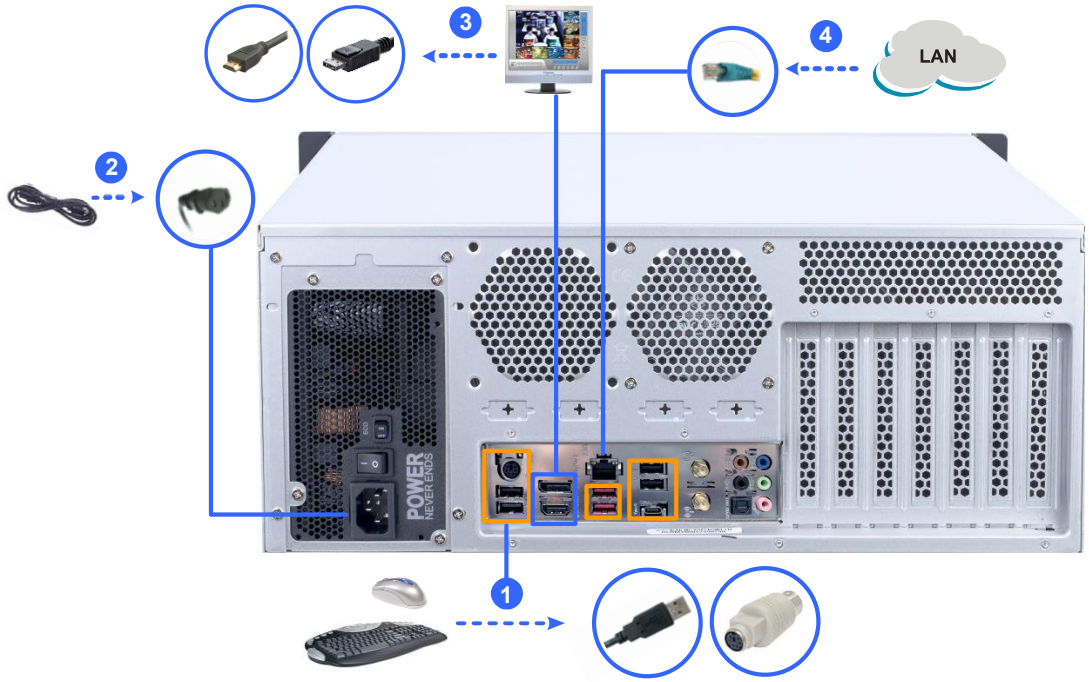


Figure 3-1

1. Connect the mouse and keyboard to any of the USB ports or the PS/2 port.
2. Using the supplied power cord, connect one end to the AC input and the other end to the power outlet.
3. Using the HDMI / DisplayPort cable supplied by the monitor manufacturer, connect up to 2 monitors for simultaneous displays.
4. Using the RJ-45 cable, connect one end to the Ethernet port and the other end to Network.

Once the above hardware is properly connected, press the Power button on the front panel to start the system. It takes about 1 minute for startup.

3.2 Installing the Hard Drive

1. Unscrew the two screws on each side of the system (a total of 4 screws).



Figure 3-2

2. Pull out the motherboard tray.



Figure 3-3

3. Unscrew the set screw on the top of the hard drive bracket.



Figure 3-4

4. Turn the knob anticlockwise on the front panel and open the front panel.



Figure 3-5

5. Turn the knob next to the fan and open the fan bracket.



Figure 3-6

6. Push the hard drive bracket to the right to loosen the bracket from the pads, and lift up the bracket.

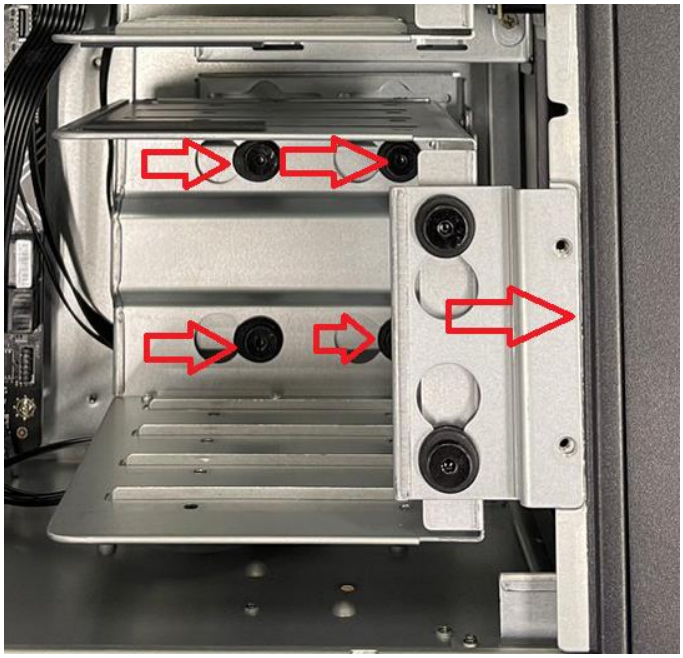


Figure 3-7

7. Place the hard drive onto the hard drive bracket. Align and tighten the two screws on each side to secure the hard drive (a total of four screws).

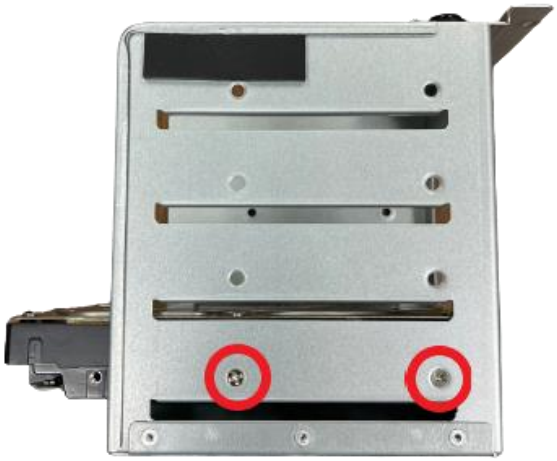


Figure 3-8

8. Repeat step 7 to install another hard drive onto the hard drive bracket.
9. Connect the hard drives to the motherboard using the SATA and power cables.

10. Align the hard drive bracket with the pads at the bottom of the system case. Carefully check if the pads all fit in the holes at the bottom of the bracket since the hard drives installed on the bracket may block the views.

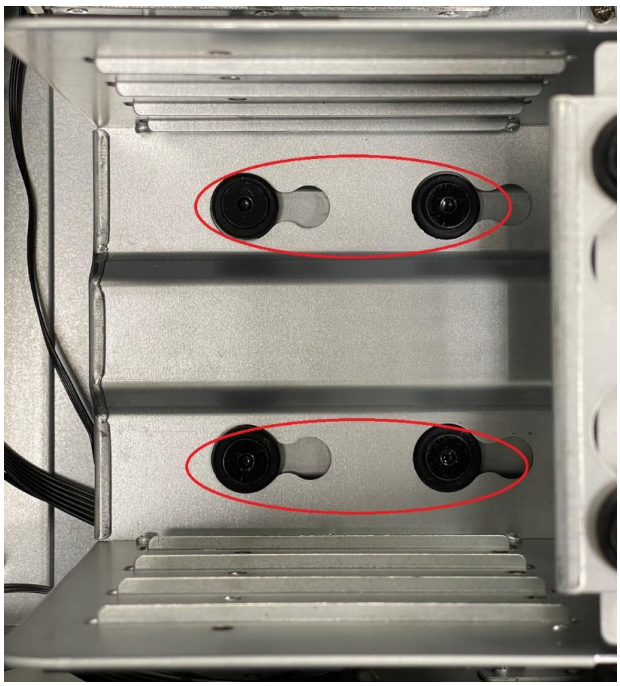


Figure 3-9

11. Push the bracket to the left to snap it back to its original position with the pads underneath, and tighten the set screws to secure the hard drive bracket.

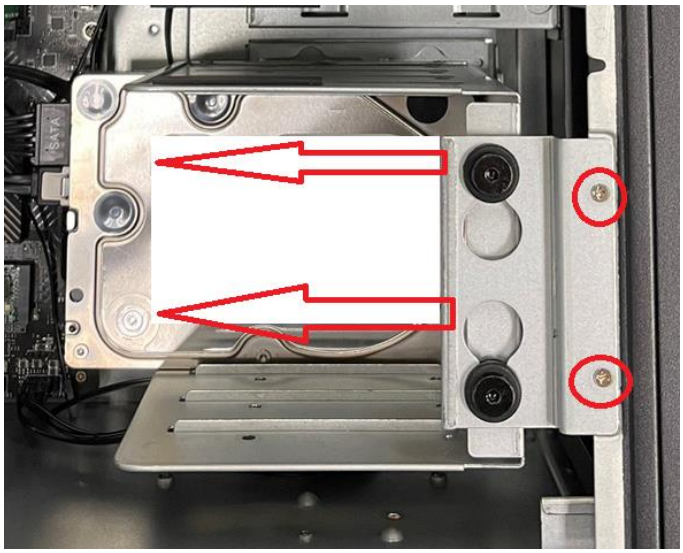


Figure 3-10

12. Push the motherboard tray back into the system case. Align and tighten the screws on both sides of the system.

Tips:

1. In Step 7, begin by installing a hard drive onto the bottom of the hard drive bracket. Leave one side of the screws partially tightened to make it easier to align the second hard drive on top.
2. In Step 9, begin by connecting the SATA and power cable to the hard drive on the bottom of the hard drive bracket.

3.3 Turning on the Power

To turn on the power, follow these steps:

1. Turn on the monitor.

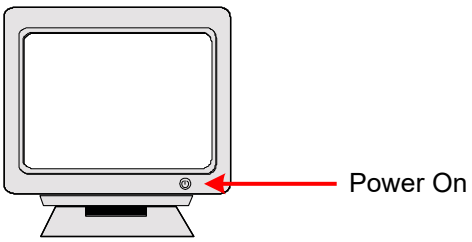


Figure 3-11

2. Make sure the Power Switch is switched ON on the rear panel, and turn on the main power switch on the front panel.
3.

Rear panel



Figure 3-12

Front panel



Figure 3-13

GV-AI System V2 (Rev. B) will run a series of self-tests, and later series of messages may be displayed as the various hardware and software subsystems are activated.

Note: The series of self-tests will take around 20 seconds to 2 minutes, depending on the number of installed hard drives.

3.4 Windows Setup Installation

The Windows setup is preparing your computer for first use.

1. After the Windows starts, this setup screen appears. Select your language and click **Next** to continue.

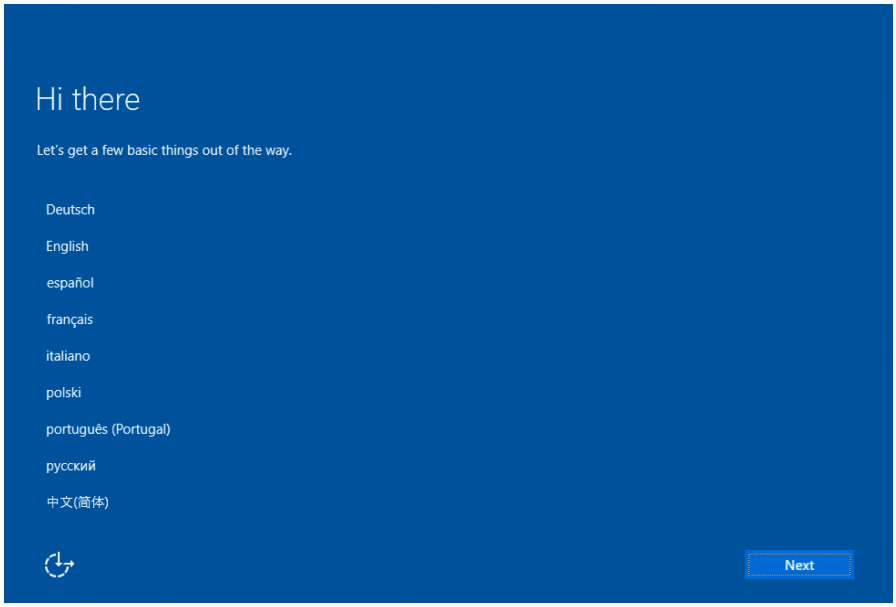


Figure 3-14

2. Select your regional settings and time zone and click **Next** to continue.

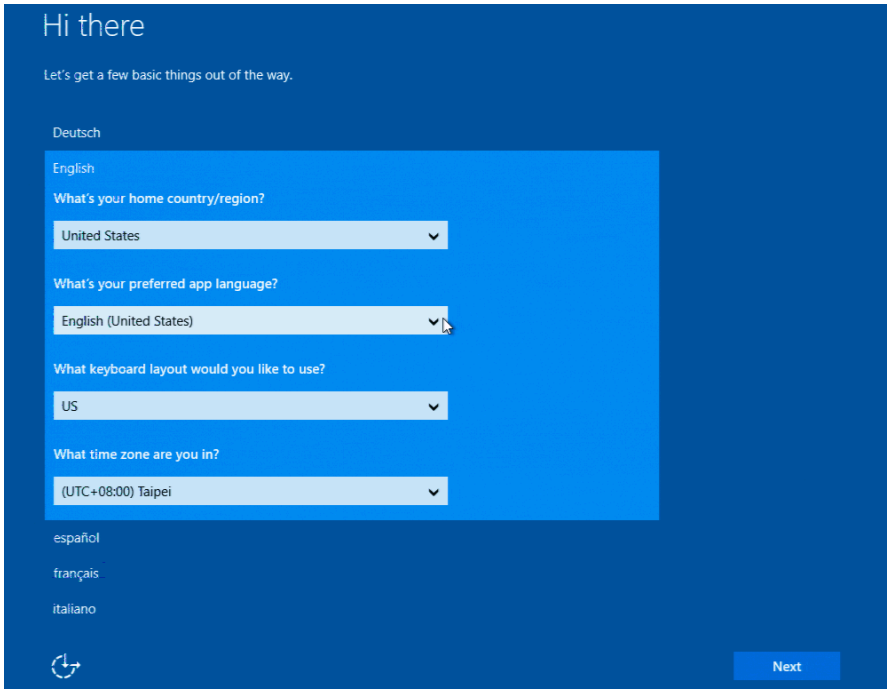


Figure 3-15

3. Click **Accept** to accept Microsoft software license terms.

4. Select between “Customize” and “Use Express settings” for your Windows installation.
5. Type your account name. It is recommended that you create a password for your account and click **Next**.

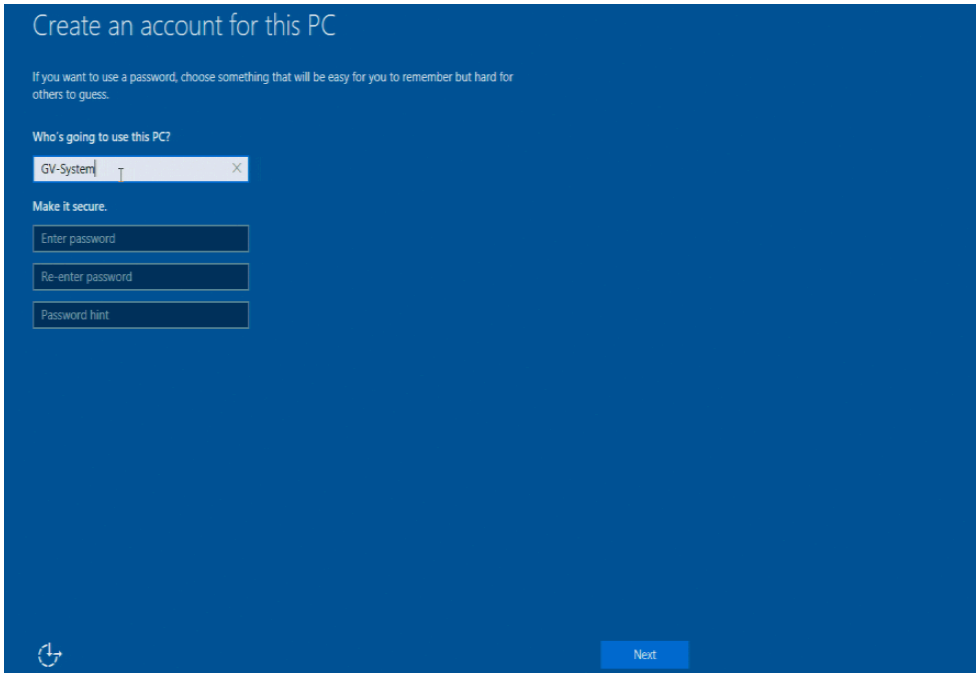


Figure 3-16

6. When the above setup process is complete, Windows will finalize your settings automatically in the background and restart.

IMPORTANT: In case of any problems causing you unable to access Windows operating system, it is highly recommended to back up the OS before you start any settings or operations. For details, see *3.5 System Restoration*.

3.5 System Restoration

You can restore the operating system and system software back-up files using Windows Tool. Refer to the instructions here.

3.6 Updating GV-AI System V2 (Rev. B)

If you like to update your GV-AI System V2 (Rev. B), contact your dealer for more information.

Before contacting your dealer, you may check software update news at our website: http://www.geovision.com.tw

Chapter 4 Troubleshooting

GV-AI System V2 (Rev. B) stops responding (aka “crashed” or “froze”)

1. Check if your mouse and keyboard are working properly.
   - If they cease functioning, following steps 2 and 3 to restart the system.
   - If they work, open the Task Manager (Ctrl+Alt+Del) and end the task of a non-responding program.
2. Push the Power button for 10 to 20 seconds until the GV-AI System V2 (Rev. B) turns off.
3. Push the Power button again to turn the GV-AI System V2 (Rev. B) back on.

GV-AI System V2 (Rev. B) is unable to start

If your GV-AI System V2 (Rev. B) is unable to start after you push the Power button, try these steps:

1. Remove the power cord from the power connector.
2. Wait for 30 seconds before plugging the power cord back in.
3. Push the Power button to see if GV-AI System V2 (Rev. B) can start.

No screen image

If your GV-AI System V2 (Rev. B) is able to start properly but images cannot be displayed on the connected monitor(s), try these steps:

1. Check if the green power LED is lit.

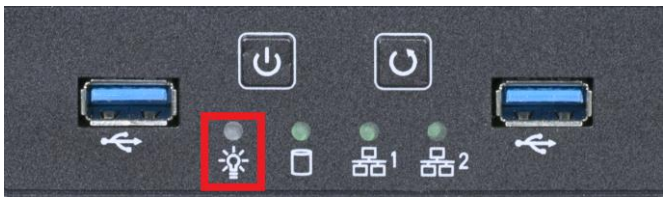


Figure 4-1

2. Use a different monitor output and see if it works.

GV-AI System V2 (Rev. B) suffers virus attack

GV-AI System V2 (Rev. B) is designed and optimized for Windows platform. It may be vulnerable to newly created worms and exploits that attack any of the underlying operating system's previously undocumented flaws. If your GV-AI System V2 (Rev. B) suffers virus attack, try rebuilding the operating system and the software. Refer to the instructions here.

How can I find more help?

1. Visit our website at http://www.geovision.com.tw/

Write us at support@geovision.com.tw