

## GV-AI System (Rev. B)



### Introduction

GV-AI System (Rev. B), equipped with Intel Core Processor, is designed to boost the AI deep learning performance for video analysis applications in video surveillance, access control, and retail sectors. GV-AI System (Rev. B) comes with 2 graphics outputs (HDMI and DisplayPort) to support up to 2 monitors simultaneously. Up to two 3.5" HDD and one 2.5" HDD can be installed in the system to meet the storage demand.

### Features

- Powered by Intel Core Processor
- 64-bit Windows 10 IoT Enterprise
- Support for GPU Decoding
- 2 graphics outputs (HDMI and DisplayPort) to support up to 2 monitors simultaneously.
- 2U size (428 x 90 x 430 mm / 16.86 x 3.55 x 16.93 in)

### Packaging

- GV-AI System (Rev. B)
- Power Cord (by regions)
- Screw Kit
- Download Guide

### Supported Software

- GV-AI FR Server
- GV-AI Server
- GV-AI Guard
- Other GV-Software (by request)

## Specifications

System	
CPU	Intel Core Processor
OS	64-bit Windows 10 IoT Enterprise
Memory	16 GB Dual Channels
Graphics	Intel UHD Graphics
Audio	Realtek Audio
LAN	Realtek 2.5 GbE LAN
OS SSD	256 GB SSD
Internal Storage	Slots for 3.5" HDD x 2 and 2.5" HDD / SSD x 1
Front I/O	<ul style="list-style-type: none"> <li>- Power Button</li> <li>- Reset Button</li> <li>- Power LED</li> </ul> <ul style="list-style-type: none"> <li>- HDD LED</li> <li>- USB 3.2 (Type-A) x 2</li> </ul>
Rear I/O	<ul style="list-style-type: none"> <li>- USB 2.0 (Type-A) x 3</li> <li>- USB 3.2 (Type-A) x 4</li> <li>- USB 3.2 (Type-C) x 1</li> <li>- DisplayPort x 1</li> <li>- HDMI x 1</li> <li>- Power Connector x 1</li> </ul> <ul style="list-style-type: none"> <li>- LAN x 1</li> <li>- Audio Jack x 6                             <ul style="list-style-type: none"> <li>· Center Speaker Out (Orange)</li> <li>· Rear Speaker Out (Black)</li> <li>· Optical S/PDIF Out</li> <li>· Line In (Blue)</li> <li>· Line Out (Green)</li> <li>· Mic In (Pink)</li> </ul> </li> </ul>
Power	Output: 400W; Input: 100-240V AC, 47-63 Hz, 8-4A
Environment	
Operating Temp.	0 ~ 45 °C / 32 ~ 113 °F
Physical	
Color	Black
Dimensions (W x H x D)	428 x 90 x 430 mm / 16.86 x 3.55 x 16.93 in
Net Weight	8.9 kg / 19.63 lb

### Note:

1. 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.
2. All damages to the power supply caused by unstable voltage are not included in the 2-year warranty service.
3. All specifications are subject to change without notice.

## Overview



## Software License

### GV-AI FR

GV-AI FR is a paid software that requires a GV-Dongle License, which is available in increments of 1 channel, from 1 – 8 channels.

Free License	N/A
Maximum License	8 Channels
Increment of License	1 Channel
Dongle Type	Internal / External

**Note:** GV-USB Dongle comes in internal and external dongles. Internal dongle is recommended for its Hardware Watchdog function, which automatically restarts the PC when Windows crashes or freezes.

### GV-AI Server

GV-AI Server is a paid software that requires a GV-Dongle license, which is available in increments of 1 channel, from 1 – 4 channels.

Free License	N/A
Maximum License	4 Channels
Increment of License	1 Channel
License Type	<ol style="list-style-type: none"><li>1. <b>Face Recognition (FR) only</b></li><li>2. <b>Video Analytics (VA) only:</b> includes Face Attributes, Product Attention, Short Inventory Alert, Queue Management, Suspect &amp; Loitering Detection, Human Counter</li><li>3. <b>FR + VA features</b></li></ol>
Dongle Type	Internal / External

**Note:** GV-USB Dongle comes in internal and external dongles. Internal dongle is recommended for its Hardware Watchdog function, which automatically restarts the PC when Windows crashes or freezes.

### GV-AI Guard

GV-AI Guard Basic Version is paid software that requires a GV-USB Dongle, with at least 1-ch AI Analytics, to start.

License Type	<ol style="list-style-type: none"><li>1. <b>AI Analytics:</b> 16 Ch</li><li>2. <b>Recording:</b> 32 Ch</li><li>3. <b>3<sup>rd</sup> Party IP Device:</b> 32 Ch</li><li>4. <b>LPR Recognition:</b> 32 Ch</li></ol>
Increment of each license type	1 Ch
Dongle Type	Internal / External

**Note:** GV-USB Dongle comes in internal and external dongles. Internal dongle is recommended for its Hardware Watchdog function, which automatically restarts the PC when Windows crashes or freezes.

### Optional License

Optional Combination	<ol style="list-style-type: none"><li>1. GV-AI Guard + <a href="#">GV-POS S/W Capture</a> (with options of 4 serial POS and 32 network POS devices)</li><li>2. GV-AI Guard + <a href="#">GV-POS Text Sender</a> (with options of 1, 2, 4, 8, 12 and 32 ports)</li></ol>
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