GV-AI System V2 (Rev. B)



Introduction

GV-AI System V2 (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 V2 (Rev. B) comes with 2 graphics outputs (HDMI, DisplayPort) to support up to 2 monitors simultaneously. Up to four 3.5” HDDs can be installed in the system to meet the storage demand, and a key-operated safety lock is included to enhance HDD data protection.

Features

- Powered by Intel Core Processor
- 64-bit Windows 11 IoT Enterprise
- Support for GPU Decoding
- 2 graphics outputs (HDMI, DisplayPort) to support up to 2 monitors simultaneously
- 4U size (469 x 430 x 176 mm / 18.47 x 16.93 x 6.93 in)
- Key-operated safety lock for enhanced HDD data protection
- Redundant power supply (optional)
- GV-AI Accelerator Module to enhance PVD detection channels and reduce CPU demand (optional)

Supported Software

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

Models

- **Standard Model:** 16 GB dual-channel memory
- **Advanced Model:** 32 GB (16 GB x 2) dual-channel memory for GV-AI Guard Advanced AI Analytics or GV-AI Guard with GV-AI Accelerator Module installed

Note: For details on the maximum number of supported channels of GV-AI Guard for the different types of models, see the next section.

Maximum Number of Supported Channels on GV-AI System V2 (Rev. B)

	GV-AI Guard		
	PVD Motion Detection	**Basic AI**	**Advanced AI**
GV-AI System Standard Model [1]	4 CH	4 CH	4 CH
GV-AI System Advanced Model [1]	16 CH	16 CH	8 CH
GV-AI System Advanced Model with GV-AI Accelerator Module [2]	32 CH (confirmed with 16 CH Basic AI or 8 CH Advanced AI)	16 CH (confirmed with 32 CH PVD)	8 CH (confirmed with 32 CH PVD)

Note:

1. **Without GV-AI Accelerator Module:** The limits for basic AI, advanced AI, and PVD motion detection were tested individually. Their performance when used together is not guaranteed.
2. **With GV-AI Accelerator Module:** The limits for PVD motion detection and basic AI were tested together, confirming that their limits remain unchanged when used in combination. The same applies to PVD motion detection and advanced AI.

Specifications

System		
CPU	Intel Core i7 Processor	
OS	64-bit Windows 11 IoT Enterprise	
Memory	Standard model: 16 GB Dual Channel Advanced model: 32 GB (16 GB x 2) Dual Channel	
Graphics	Intel UHD Graphics	
Audio	Realtek Audio	
LAN	2.5 GbE LAN	
OS SSD	1 TB SSD	
Internal Storage	Slots for 3.5” HDD x 4	
Front I/O	- Power Button - Reset Button - Power LED - HDD LED	- LAN LED x 2 (not functional) - USB 3.2 (Type-A) x 2
Rear I/O	- USB 2.0 (Type-A) x 4 - USB 3.2 (Type-A) x 2 - USB 3.2 (Type-C) x 1 - HDMI 2.0 x 1 - DisplayPort 1.4 x 1 - Power Connector x 1	- Power Switch x 1 - ECO Switch x 1 - 2.5 GbE LAN Port x 1 - 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)
Power	Output: 850W; Input: 100-240V AC, 50-60 Hz, 11-5.5A	
Environment		
Operating Temp.	0 ~ 45 °C / 32 ~ 113 °F	
Physical		
Color	Black / Silver	
Dimensions (W x H x D)	469 x 430 x 176 mm / 18.47 x 16.93 x 6.93 in	
Net Weight	14.8 kg / 32.63 lb (± 1 kg / 2.2 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.

Accessories

GV-AI Accelerator Module	GV-AI Accelerator Module is equipped with the M.2 M key connector and is compatible with 11th Gen CPUs or later versions. The GV-AI Accelerator Module increases the number of PVD motion detection channels in GV-VMS or GV-AI Guard.
Redundant Power Supply	When 1 module of the redundant power supply is down, the other module can still supply full power to the system. Output: 800 W Input: 96-264 V AC, 47-63 Hz, 12-6A

Packing List

- GV-AI System V2 (Rev. B)
- Keys for Hard Disk Safety Lock x 2
- Power Cord (by regions)
- Screw Kit
- Download Guide
- Warranty Card

Overview

Front View



Rear View

