GV-Mini System V2 (Rev. B)



Introduction

Equipped with Intel Mini-STX motherboard form factor, GV-Mini System V2 (Rev. B) is a mini PC but has the advantage of using a regular desktop CPU. GV-Mini System V2 (Rev. B) is using 14th Generation Intel Core i7 Processor and comes with 4 graphics outputs (HDMI, DP, DP alt mode, and VGA) to support up to 4 monitors simultaneously. Its high-performance processor makes it possible to run GeoVision software, and the mini size offers versatility for VESA mounting on the rear of a monitor.

Features

- Powerful desktop 14th Generation Intel Core i7 Processor
- Mini PC with Intel Mini-STX form factor
- 64-bit Windows 11 IoT Enterprise
- Support for GPU Decoding
- 4 graphics outputs, HDMI, DP, DP alt mode, VGA, to support up to 4 monitors simultaneously
- Mini size (155 x 155 x 80 mm / 6.11 x 6.11 x 3.15 in)
- VESA mount (optional)
- GV-AI Accelerator Module to enhance PVD detection channels and reduce CPU demand (optional)

Packaging

- GV-Mini System V2 (Rev. B)
- 19V, 120W Power Adapter
- Power Cord (by region)
- Download Guide

Supported Software

- GV-NVR
- GV-VMS
- GV-ASManager
- GV-AI FR
- GV-AI Server
- GV-AI Guard

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

	GV-AI Guard			GV-VMS V18
	PVD Motion Detection	**Basic AI**	**Advanced AI**	**PVD Motion Detection**
GV-Mini System	4 CH [1]	4 CH [1]	4 CH [1]	4 CH
GV-Mini System with GV-AI Accelerator Module	16 CH (confirmed with 4 CH Basic AI or 4 CH Advanced AI) [2]	4 CH (confirmed with 16 CH PVD) [2]	4 CH (confirmed with 16 CH PVD) [2]	48 CH

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	16 GB Dual Channel
Graphics	Intel UHD Graphics
Audio	Realtek Audio
LAN	2.5 Gigabit LAN
OS SSD	1 TB SSD
Internal Storage	Slots for 2.5” HDD/SSD x 2
Front I/O	– Power Button (with Power LED and HDD LED) – USB 3.2 Gen 2 (Type-A) x 1 – USB 3.2 Gen 2 x 2 (Type-C) x 1 – Headphone jack for mic input – Headphone/headset jack
Rear I/O	– VGA – HDMI – DisplayPort 1.4 – USB 3.2 Gen 2 Type-C Port (USB-C / DisplayPort alt mode) – USB 3.2 Gen 1 (Type-A) x 2 – USB 2.0 x 2 – LAN – DC Jack **Note:** Four graphics output options, VGA, HDMI, DP, and DP alt mode, support four monitors simultaneously.
Power	19V, 120W Power Adapter
Environment	
Operating Temp.	0 ~ 35 °C / 32 ~ 95 °F
Physical	
Color	Black
Dimensions (W x H x D)	155 x 155 x 80 mm / 6.11 x 6.11 x 3.15 in
Net Weight	1.92 kg / 4.23 lb

Note:

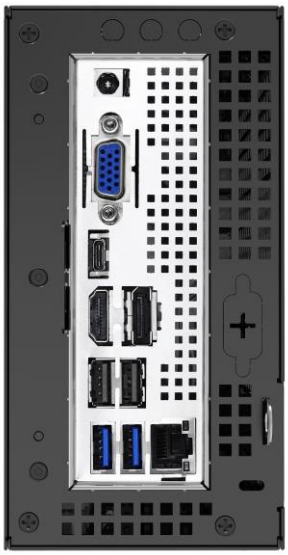
1. If you are in an area with unstable voltage, make sure to install an automatic voltage regulator (AVR) or a UPS power supply with AVR function, to maintain a constant voltage.
2. All damages to the power supply caused by unstable voltage are not included in the 2-year warranty service.
3. All specifications are subject to change without notice.

Accessories

Optional Devices	Description
VESA Bracket	The bracket allows for mounting the unit on the rear of a computer monitor.
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.

Overview





Total Frame Rate and Max. No. of Channels Supported for GV-NVR / VMS

Refer to the documents below to see the total frame rate and number of channels supported by GV-NVR when connected to GV-Fisheye cameras and H.265 cameras.

- **GV-System V8.7 Supports H.265 GPU Decoding**
- **GV-Fisheye Camera Integration Notes**

Refer to the documents below to see the total frame rate and number of channels supported by GV-VMS when connected to different IP devices.

- **IP Device Integration Notes (H.264 CPU/GPU Decoding, based on GV-VMS V15.10.1.0)**
- **IP Device Integration Notes (H.265 GPU Decoding, based on GV-VMS V15.11.0.0)**
- **GV-Fisheye Camera Integration Notes**