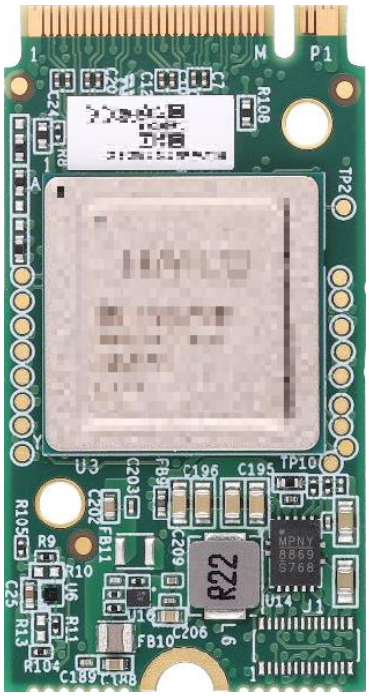
GV-AI Accelerator Module



GV-AI Accelerator Module is compatible with the M.2 Key M form factor and targets AI applications. The module is based on the Hailo-8™ AI processor and features a full of PCIe Gen 3, 4-lan interface (x 4), which enables high throughput of input and output data. By leveraging the module with GV-Software such as GV-VMS / GV-AI Guard, users are allowed to boost the software performance in PVD motion detection for more detection channels.

Specifications		
OS		64-bit Windows 10 / 11
CPU		11th Generation Intel CPU or later versions
Interface		PCIe Gen 3, 4-lanes (x 4)
Power Supply		3.3 V ± 5%
Thermal Design Power		8.65 W
Peak Performance		26 TOPS
Environmental Conditions	Operating/Storage Temperature	-40 ~ -85 °C / -40 ~ -121°F
	Humidity	5% ~ 90% (non-condensing)
Form Factor		M.2 Key M
Dimensions (W x H)		22 x 80 (mm) / 3.82 x 3.14 (in)
Certifications		CE and FCC compliant

Note:

1. For the expansion of more PVD motion detection channels on GV-VMS / GV-AI Guard using GV-AI Accelerator Module, make sure your PC is compatible with the following system requirements:
   a. For PVD motion detection of up to **48** channels on **GV-VMS**: PC RAM of at least 16 GB and 11th Generation Intel Desktop Processor or above.
   b. For PVD motion detection of up to **64** channels on **GV-VMS**: PC RAM of at least 32 GB and 13th Generation Intel Desktop Processor or above.
   c. For PVD motion detection of up to **32** channels on **GV-AI Guard**: PC RAM of at least 16 GB and 11th Generation Intel Desktop Processor or above.
2. PVD motion detection channel expansion on GV-VMS / GV-AI Guard is exclusively limited to the utilization of GV-AI Accelerator Module purchased from GeoVision.
3. All specifications are subject to change without notice.

February 1, 2024

Compatible GeoVision Product

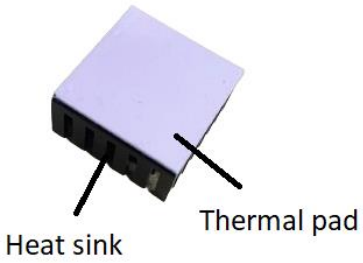
- GV-VMS V18.3.2 or later
- GV-AI Guard V2.0 (coming soon)

Packing List

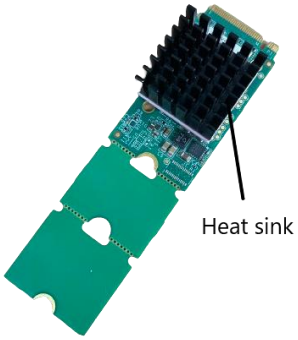
- GV-AI Accelerator Module
- Heat Sink
- Thermal Pad

Heat Sink Installation

1. Paste the thermal pad onto the heat sink as indicated below.



2. Attach the heat sink with the thermal pad to GV-AI Accelerator Module and gently press it to complete the installation.



Installation

1. Plug in GV-AI Accelerator Module to the computer with the M.2 socket and secure it to the board.
2. Download the driver here.
3. Verify if the driver is installed properly by opening **Windows Device Manager** and see if the drive entry is listed under **System devices** as shown below.