

MV-VC451*-128G*0

Vision Controller



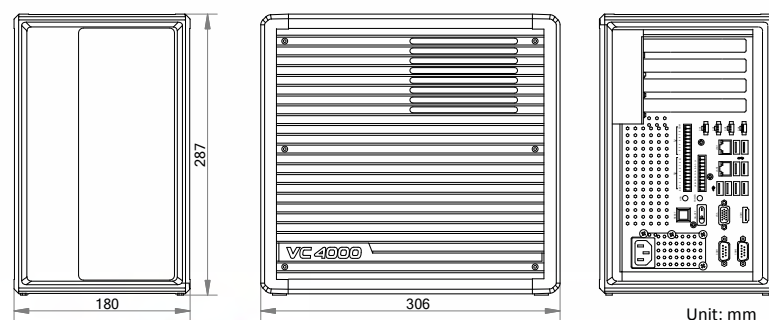
Introduction

MV-VC451*-128G*0 vision controller adopts Intel® i5 CPU and memory of 8 GB. It supports 8 I/O inputs and outputs, and integrates 4 light interfaces with constant voltage. The vision controller has multiple GigE and USB3.0 interfaces, and it can connect with CameraLink and CoaXPRESS frame grabber via expansion slot.

Key Feature

- Onboard Intel® i5 CPU, and supports 1660 GPU
- Adopts multiple expansion slots to connect with different frame grabbers
- Integrates 4 light interfaces with constant voltage
- Supports 16 GPIO inputs and outputs and NPN/PNP switch

Dimension



Unit: mm

- Adopts Intel® GigE interface for image transmission
- Supports extensible POE NIC
- Built-in dual USB3.0 dongle slots

Available Model

- Power consumption of 250 W: MV-VC4510-128G20
- Power consumption of 350 W: MV-VC4519-128G20
- Power consumption of 250 W with 4 GigE Interfaces and POE NIC: MV-VC4510-128G60

Applicable Industry

Computer, communication and consumer electronic, food and pharmaceuticals, transportation, etc.



Specification

Model	MV-VC4510-128G20	MV-VC4519-128G20	MV-VC4510-128G60
Performance			
CPU	Intel® i5-6500 3.2GHz, max. turbo boost 3.6GHz		
Memory	8 GB		
Storage	128 GB SSD, supports 2.5" SATA HDD		
GPU	Intel® HD Graphics 530		
Operating system	Windows 7/10, Ubuntu		
External interface			
Video output	HDMI interface x 1, VGA interface x 1; Supports independent display, max. resolution: 4096 × 2304 @24Hz		
GPIO	Opto-isolated input x 8, opto-isolated output x 8 (supports NPN/PNP switch)		
Light interface	Light interfaces with 24 VAC constant voltage x 4, controllable brightness; Max. current 2.5 A for single light interface; Max. power consumption: 70 W; Supports external trigger strobe and solid mode switch		
Network interface	Intel® GigE interfaces x 2	Intel® GigE interfaces x 2	Intel® GigE interfaces x 2, built-in 4 GigE Interfaces and POE NIC
USB interface	USB3.0 x 8, built-in USB3.0 x 2		
Serial port	RS-232 x 2		
Extension interface	PCIe x16 (x 1) or PCIe x8 (x 2), PCI (x 1), PCIe x4 (x 1)		
Electrical features			
Power supply	100 VAC to 240 VAC		
Power consumption	≤ 250 W	≤ 350 W	≤ 250 W
Structure			
Dimension	306 mm x 180 mm x 287 mm (12.0" x 7.1" x 11.3")		
Weight	Approx. 7.5 kg (16.5 lb.)		
Temperature	-10 °C to 50 °C (14 °F to 122 °F)		
Humidity	20% to 95% RH, without condensation		
General			
Operating system	Windows Embedded Standard 7		
Certifications	CCC, CE, FCC		

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