

MV-VC572x Vision Controller

The MV-VC572x vision controller is equipped with Intel's 12th generation high-performance processor and DDR5 memory. It supports 32 GPIOs and multi-light source control, has multiple independent Gigabit network ports, USB2.0 and USB3.0, targets mainstream visual applications, and provides support for multi-camera positioning, detection and recognition applications.



Features

- Equipped with desktop-level Intel 12th generation CPU, providing powerful computing performance
- Supports multi-channel PCIe expansion, portable expansion of acquisition cards, graphics card peripherals
- Supports 32-channel GPIO input and output functions, and some outputs support NPN/PNP switching
- Adopting Gigabit network port, supporting high-speed and stable image transmission
- Support multi-channel light source control and high-speed synchronous control

Application Industry

- 3C Industry
- New energy for food and drug industry

Order Model

Model	Parameter	Memory	Storage
MV-VC5723-256G70-2T		8 GB	256G SSD and 2T HDD
MV-VC5723-256G70-NN		8 GB	256G SSD
MV-VC5724-256G70-2T		16 GB	256G SSD and 2T HDD
MV-VC5724-256G70-NN		16 GB	256G SSD
MV-VC5725-256G70-2T		32 GB	256G SSD and 2T HDD
MV-VC5725-256G70-NN		32 GB	256G SSD



Technical Parameters

Model/parameter	MV-VC5723-256G70-2T	MV-VC5723-256G70-NN	MV-VC5724-256G70-2T	MV-VC5724-256G70-NN	MV-VC5725-256G70-2T	MV-VC5725-256G70-NN
parameter	Vision Controller					
Performance						
Processor	Intel® Core™ i7-12700					
Memory	8 GB		16 GB		32 GB	
Storage	256G SSD 2T HDD	256G SSD	256G SSD 2T HDD	256G SSD	256G SSD 2T HDD	256G SSD
Graphics Processor	Intel® UHD Graphics 770					
Operating system	Windows 10, Not activated					
chip	Q670					
Interface						
Video Output	1 HDMI port, 1 VGA port Supports simultaneous independent display output Maximum support 1920 × 1080 @60Hz					
Digital I/O	Support 8-channel optocoupler isolation input Supports 12 optocoupler isolated outputs (supports NPN/PNP switching), 8 digital isolated low-side driver outputs Supports 4 non-isolated bidirectional configurable differential IO					
Network Interface	7 Gigabit Ethernet ports, 4 of which support PoE power supply					
USB interface	4 USB2.0 ports 4 USB3.0 ports 1 built-in USB2.0 port					
Serial Port	Default 2-way RS-232, can be configured as RS-485 or RS-422					
Extension interface	2 SATA3.0 interfaces, 1 M.2 NVME expansion interface, 1 PCIe x16 expansion, 1 PCIe x8 expansion ¹ , 2 PCIe x4 expansion					
Electrical Characteristics						
powered by	24 V (4-pin connector system power supply) 24 V (2-pin graphics card power supply)					
Typical power consumption	384 W (4-pin connector system power supply) 228 W (2-pin graphics card power supply)					
Structure						
Dimensions	302.3 mm × 248 mm × 210 mm					
Weight	About 7.5 kg					
Temperature	0 ~ 45 °C	0 ~ 45 °C (Using graphics card) 0 ~ 50 °C (without using graphics card)	0 ~ 45 °C	0 ~ 45 °C (Using graphics card) 0 ~ 50 °C (without using graphics)	0 ~ 45 °C	0 ~ 45 °C (Using graphics card) 0 ~ 50 °C (without using graphics)
Humidity	20% ~ 95% RH non-condensing					
General Specifications						
Certification	CE、KC					
¹ When using PCIe x8, the maximum width of x16 is only supported by x8						

Dimensions

