

# MV-VC2040

## Vision Controller



### Introduction

MV-VC2040 vision controller adopts Intel® Elkhart Lake processor, and supports 16-channel GPIO and 4-channel light source control. It has multiple interfaces, such as, GigE, USB 2.0, and USB 3.0. The vision controller has compact structure with stable performance, and it provides solutions for simple vision applications.

### Applicable Industry

Consumer electronics, food and pharmaceutical, machining, etc.

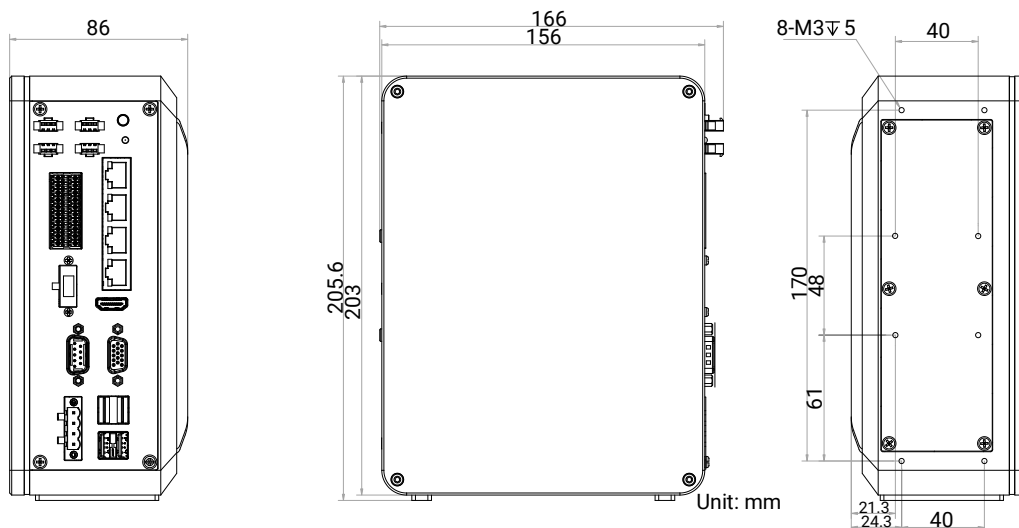
### Available Model

- 128 GB SSD without dongle: MV-VC2040-128G40-NN
- 128 GB SSD + 1 TB HDD, without dongle: MV-VC2040-128G40-1T
- 128 GB SSD + PoE, without dongle: MV-VC2043-128G40-NN

### Key Feature

- Adopts Intel® Elkhart Lake processor to provide calculation.
- Supports GPIO function.
- Supports 4-channel light source control.
- Adopts GigE interfaces for stable data transmission.
- Built-in USB interface or dongle is optional.

### Dimension



# Specification

**HIKROBOT**

Model	MV-VC2040-128G40-NN	MV-VC2040-128G40-1T	MV-VC2043-128G40-NN
<b>Performance</b>			
CPU	Intel® Celeron™ J6412		
Memory	8 GB		
Storage	128 GB SSD	128 GB SSD + 1 TB HDD	128 GB SSD
GPU	Intel® UHD Graphics for 10th Gen Intel® Processors		
Operating system	Unactivated 64-bit Windows 10		
<b>Encryption</b>			
Encryption method	Not supported		
<b>External interface</b>			
Video output	HDMI interface × 1, VGA interface × 1 Supports dual display outputs, max. resolution 1920 × 1080 @60 Hz		
Digital I/O	Opto-isolated input × 8, opto-isolated output × 8		
Network interface	GigE interface × 4	GigE interface × 4, supports PoE (The total loading is 20 W)	
USB interface	USB 2.0 × 2, USB 3.0 × 2		
Serial port	RS-232 × 1, supports switching to RS-485 or RS-422		
Light interface	Light interface with 24 VDC constant voltage × 4 (Max. current 3 A for single light interface, total max. power consumption 80 W. Supports light mode switching between strobe and solid via external control)		
<b>Electrical feature</b>			
Power supply	24 VDC		
Power consumption	Typ. 48 W (without light source)	Typ. 60 W (without light source)	
<b>Mechanical</b>			
Dimension	166 mm × 205.6 mm × 86 mm (6.5" × 8.1" × 3.4")		
Weight	Approx. 2 kg (4.4 lb.)		
Temperature	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)		
Humidity	20% to 80% RH, non-condensing		
<b>General</b>			
Certification	CCC, CE, KC		