

MV-VB2220-120G

Intel Bay Trail Platform Vision Box



CE FCC RoHS

Introduction

MV-VB2220-120G vision box adopts Intel E3845 CPU and memory of 4GB DDR3L. It features stable performance, compact design, and fast response, etc.

Key Feature

- Onboard Intel E3845 SoC and 1.91GHz CPU.
- 4GB DDR3L memory and onboard SSD of high reliability.
- 3 Intel GigE ports and enhanced anti-surge design to ensure the stable running of the machine vision cameras.
- Supports multiple opto-isolated inputs and outputs.
- Controls the light via light interface.
- Adopts 2 HDMI interfaces and supports independent display.

Available Model

MV-VB2220-120G

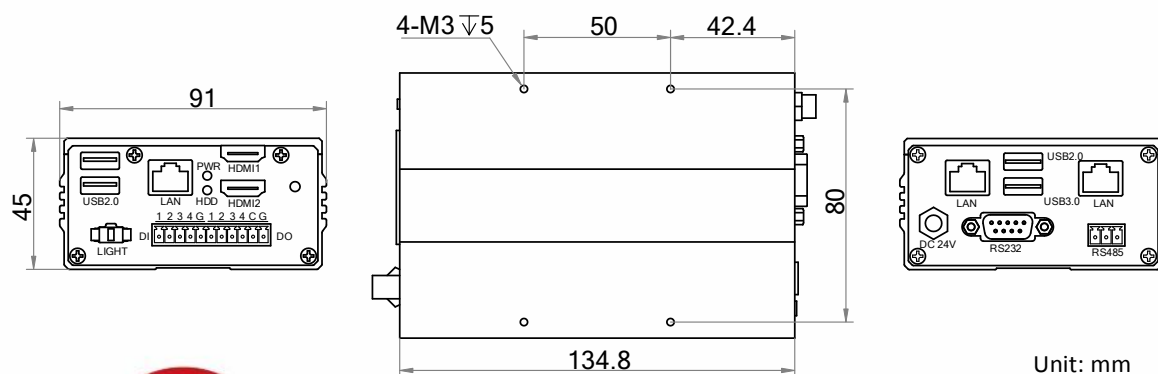
Applicable Industry

Robots, laser devices, numerical control machine, package detection devices, etc.

Accessories

- Video output cable: It is recommended to use HDMI cable if the monitor is with HDMI interface.
You need to purchase HDMI-VGA cable if the monitor is with VGA interface.
- Mounting plate: It is used to fix the device, and you need to purchase separately.

Dimension



Specification

Model	MV-VB2220-120G
Performance	
CPU	Intel E3845, quad-core 1.91GHz
Memory	4GB DDR3L-1333
Storage	128GB SSD
GPU	Integrated Gen7 GPU; supports 3D image hardware acceleration; supports video decoding hardware acceleration of different formats
Operating system	Windows 7/10
External interface	
Video output	HDMI interface × 2; supports independent display; max. resolution: 2560 × 1600
GPIO	Opto-isolated input × 4, opto-isolated output × 4
Light interface	Current control × 1; output current: 700 mA; max. power: 5 W
Network interface	RJ45 Intel I210 interface × 3
USB interface	USB3.0 × 1, USB2.0 × 3, supports 1 built-in extensible USB2.0
Serial port	Half-duplex RS-485 × 1, RS-232 × 1
Electrical features	
Power supply	24 VDC/2.5 A
Power consumption	≤ 26 W
Structure	
Dimension	134.8 mm × 91 mm × 45 mm (5.3" × 3.6" × 1.8")
Weight	Approx. 650 g (1.4 lb.)
Temperature	0 °C to 50 °C (32 °F to 122 °F)
Humidity	20% to 80% RH
General	
Certifications	CE, FCC, RoHS

HIKROBOT

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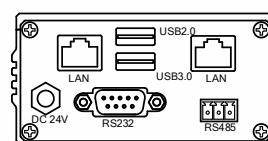
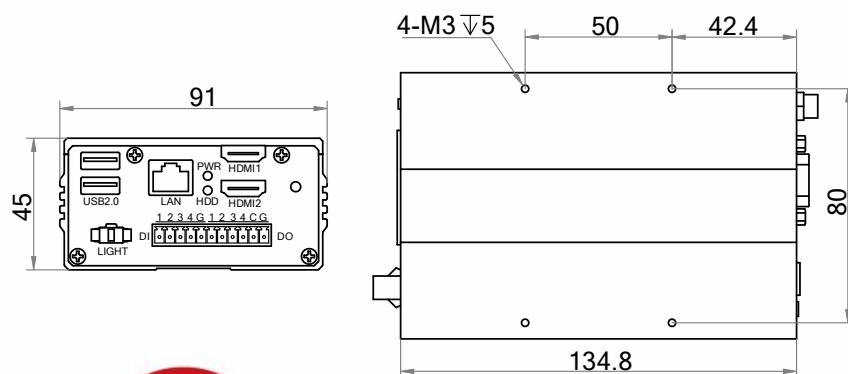
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Unit: mm



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GPIO	Opto-isolated input × 4, opto-isolated output × 4
Light interface	Voltage control × 1; output voltage: 0 VDC to 24 VDC; max. power: 24 W
Network interface	RJ45 Intel I210 interface × 3
USB interface	USB3.0 × 1, USB2.0 × 3, supports 1 built-in extensible USB2.0
Serial port	Half-duplex RS-485 × 1, RS-232 × 1
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Power supply	24 VDC/2.5 A
Power consumption	≤ 34 W
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