MV-VB2100-032/120G
Intel Bay Trail Platform Based Vision Box

The Hikvision MV-VB2100-032/120G Intel Bay Trail Platform Based Vision Box is a high quality device that can be used in a variety of applications, including robotics, medical equipment, laser equipment, CNC assets, machine vision applications such as packaging inspection, bottle inspection etc.

Key Features

- On-board Intel E3845 SoC, 1.91GHz CPU, providing more than 200% CPU and 350% GPU performance of the last generation.
- Gen7 GPU, optimizing the image processing algorithms to improve performance.
- Ultra-compact structural design, suitable for the requirements in industrial occasions.
- 4GB DDR3L memory.
- -10℃~+50℃ without cooling fan.
- Two Intel Gigabit Ethernet ports; enhanced surge prevention design provides high level protection of the ports, ensuring stable connection to machine vision cameras.
- Two independent HDMI ports.
- Support GPIO

Application Scenarios

- Robotics
- Medical equipment
- Laser equipment
- CNC assets
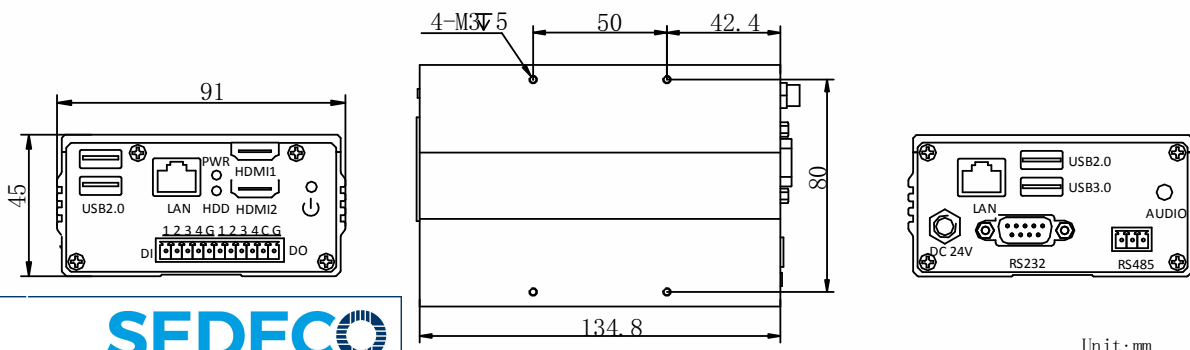- Machine vision applications such as packaging inspection, bottle inspection

Order Models
MV-VB2100-032G
MV-VB2100-120G

Specifications

Model / Parameters	MV-VB2100-032G	MV-VB2100-120G
	Intel Bay Trail Platform Based Vision Box	
Device		
CPU	Intel E3845, Quad Core, 1.91GHz	
Memory	4GB DDR3L-1333	
Image/Video	• Integrated Gen7 GPU • Support various video mode decoding, hardware-accelerated • H.264 video coding	
Display	2 × HDMI ports, independent display outputs, support max resolution 2560×1600	
Network	2 × Intel i210 GigE controller 2 × RJ45 adaptive Ethernet port (10-1000Mb/s) Enhanced surge prevention design	
Hard Drive	32GB SSD	120GB SSD
USB	1 × USB 3.0 host port 3 × USB 2.0 host port	
Serial Port	1 × half-duplex RS485 port (non-Isolated) 1 × RS232	
GPIO	8 × GPIOs (4inputs, 4 outputs)	
Light Interface	NA	
Audio	High definition audio stereo line-out and mono mic-in	
Power	DC 24V/1A	
Dimension	135mm (Length)×91mm (Width)×45mm (Height)	
Power Consumption	≤14W	
Working Temperature	-10℃~+50℃, no air flow	
Operating System	Win7, Win10	

Dimensions

Unit:mm

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