

MV-DL2126-04H-R

Linear laser stereoscopic camera

MV-DL2126-04H-R, the new generation intelligent linear laser stereoscopic camera, is developed for low-clearance-space and wide-field-of-view measurement ranges, featuring built-in wide dynamic range image processing algorithms and high-precision measurement algorithms. It can output high-precision volumetric measurement results in real-time under complex scenarios. Combining high-power laser modules and unique image processing technologies, it achieves the ultimate goal of zero resource occupation, zero package misjudgment, high-precision measurement, and high-efficiency circulation in logistics volume measurement applications. It is widely applicable to dynamic volumetric measurement scenarios in logistics and warehousing.



Application industry

Logistics volume, storage volume

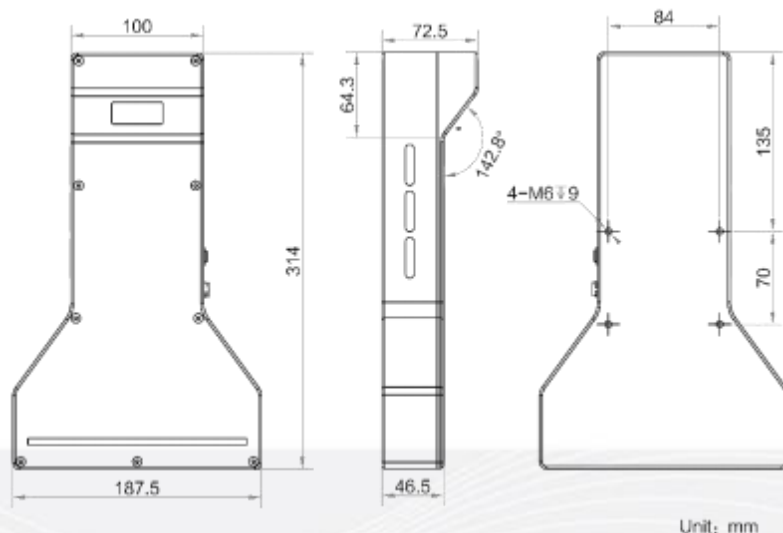
functional characteristics

- nWide dynamic range algorithm, high reflection/high absorption material measurement is more accurate
- nEfficiency optimization, up to 3 m/s
- nSubpixel technology with accuracy up to 5 mm
- nHigh power laser module, wider dynamic range
- nNarrowband filter, more resistant to interference
- nPrecise exposure synchronization, more stable performance
- nSupport volume (length, width and height, integral volume), point cloud and position coordinate output

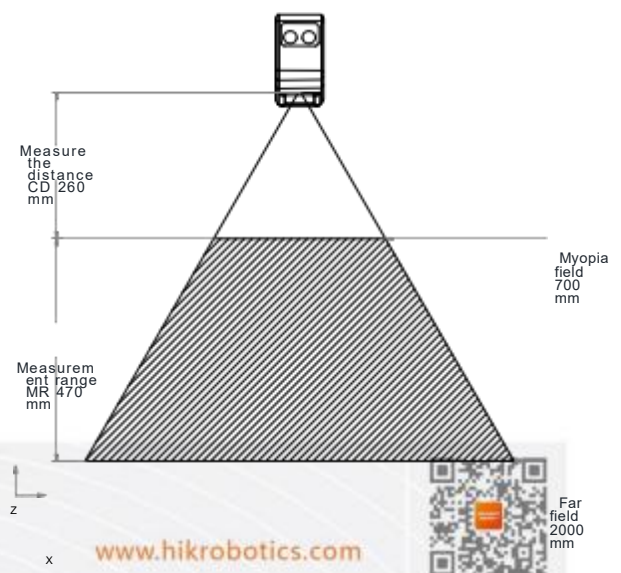
Order model

MV-DL2126-04H-R

outline dimension



Measurement range view



parameter	model	MV-DL2126-04H-R
		Linear laser stereoscopic camera
function		
Myopia field		700 mm
Far field		2000 mm
clear distance (CD)		260 mm
Measurement range (MR)		470 mm
Detection accuracy		± 5 mm (rule piece)
Testing speed		3 m/s@± 5 mm detection accuracy
Scan frame rate		600 fps@300 mm depth measurement range
data type		Point cloud, length, width and height size, integral volume, top surface coordinates
trigger mode		External trigger, encoder trigger (up to 15 KHz trigger signal support)
Laser safety level		Class 3B
electrical character		
data interface		Gigabit Ethernet(1000 Mbit/s)
figure I/O		The 12-pinM12 interface provides I/O, including three isolated optical couplers (Line0/3/6), three isolated optical couplers (Line 1/4/7) and one RS-232 serial port
supply electricity		12~ 24 VDC
Typical power consumption		10.0 W@12 VDC
structure		
outline dimension		314 mm × 187.5 mm × 72.5 mm
weight		2 kg
temperature		Working temperature 0~45°C, storage temperature-30~80°C
humidity		No condensation at 20% to 85% RH
General specifications		
software		3DMVS, CodeMaster
operating system		Windows 7/1032/64 bits
attestation		CE