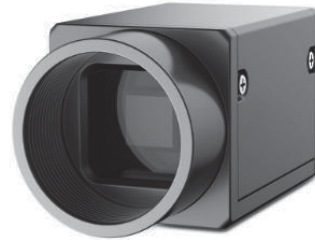


CHUM-131M-150 1.3MP, 1/2.7" CMOS, USB 3.0 Camera

USB[™]
VISION



CHUM-131M-150 1.3 MP 1/2.7" CMOS USB 3.0 Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor fabrication, factory automation, logistics code reading, bottle inspection and medical packaging.

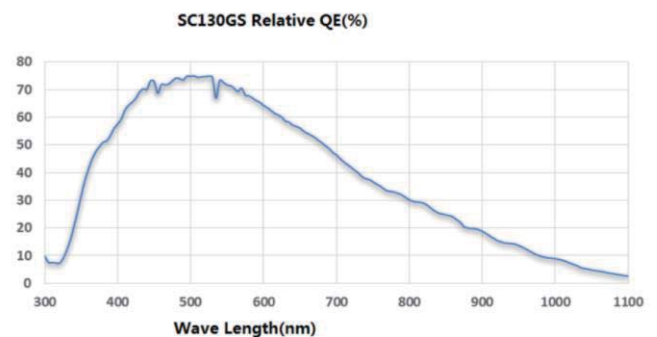
Key Features

- Supports auto exposure control, user defined LUT and gamma correction.
- Cameras can be synchronized with hard trigger and soft trigger. Different exposure modes supported.
- Embedded excellent interpolation algorithm for a better color reduction.
- Compact structure with the size of 29mm×29mm×30mm, suitable for tight mounting requirement.
- The USB3.0 interface is tightly locked to prevent accidental unplugging and dropping.
- Compatible with USB 3.0 Vision V1.0.

Application Scenarios

- Electronic semiconductor
- Factory automation
- Logistics code reading
- Bottle inspection
- Medical packaging

Spectral Response



CHUM-131M-150 Quantum Efficiency

Order Model

Mono: CHUM-131M-150

Specifications

Model	CHUM-131M-150
Parameters	1.3MP, 1/2.7" CMOS, USB 3.0 Camera
Camera	
Sensor	SS
Pixel Size	4.0μm×4.0μm
Sensor Size	1/2.7"
Resolution	1280x1024
Frame Rate	148fps
Dynamic Range	>60dB
SNR	>40dB
Gain Range	0-20dB
Exposure Time	30μs-1sec
Shutter Mode	Global shutter. Support Auto-exposure, Manual exposure, and One-key exposure.
Data Interface	USB 3.0
General Purpose I/O	Opto-isolated input x1, Opto-isolated output x1, Bi-directional non-isolated I/O x1
Data Format	Mono 8/10/10p/12/12p
General	
Power	<1.93W@12VDC, Voltage 5~15VDC, USB 3.0 power supply supported
Temperature	Working Temperature 0~50°C, Storage Temperature -30~70°C
Humidity	20%-80% RH without condensation
Dimension	29mm×29mm×30mm
Weight	<56g
Lens Interface	C-Mount
Software	MVS or Third-Party Software supporting USB 3.0 Vision Protocol
Operating System	Windows XP/7/10 32/64bits
Compliance	USB 3.0 Vision
Certification	CE, FCC, RoHS

Recommended Accessories

- **Power:** 12VDC @1A power adapter
- **Cable:** Micro USB 3.0 cable (B Type) recommended

Dimensions

