CHGM-1000M-11.2
10MP, 1/2.3" CMOS, GigE Camera

CHGM-1000M-11.2 10 MP 1/2.3" CMOS GigE Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor fabrication, factory automation, quality inspection.
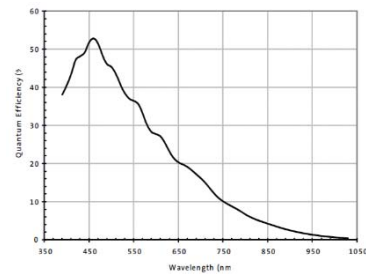
Key Features

- Gigabit Ethernet interface providing 1Gbps bandwidth; Transmitting distance can be 100m without relaying.
- 128MB on-board buffer, for image burst transmitting and retransmitting.
- Support auto exposure control, LUT and Gamma correction.
- Cameras can be synchronized with hard trigger and soft trigger.
- Different exposure modes can be used to capture image.
- Compliant with GigE Vision V1.2, can be supported by third party software.

Spectral Response

CHGM-1000M-11.2 Quantum Efficiency

Application Scenarios

- Electronic semiconductor
- Factory automation
- Quality Inspection

Order Model

Mono: CHGM-1000M-11.2

Specifications

Model	CHGM-1000M-11.2
Parameters	10MP, 1/2.3" CMOS, GigE Camera
Camera	
Sensor	MT9J003
Pixel Size	1.67μmx1.67μm
Sensor Size	1/2.3"
Resolution	3840×2748
Frame Rate	11fps
Dynamic Range	>65dB
SNR	>34dB
Gain Range	0-15.3dB
Exposure Time	26μs-1sec
Shutter Mode	Rolling Shutter. Auto-Exposure, Manual Exposure, One-key Exposure
Data Interface	Gigabit Ethernet
General Purpose I/O	Opto-isolated input x1, Opto-isolated output x1, Bi-directional non-isolated I/O x1
Image Buffer	128MB
Data Format	Mono 8/10/10p/12/12p
General	
Power	Approx. 2.6W@12VDC, Voltage 5~15VDC, PoE supported
Temperature	Working Temperature 0~50℃, Storage Temperature -30~70℃
Humidity	20%-80% RH without condensation
Dimension	29mm×29mm×42mm
Weight	Approx. 68g
Lens Interface	C-Mount
Software	MVS or Third-Party Software supporting GigE Vision Protocol
Operating System	Windows XP/7/10 32/64bits
Compliance	GigE Vision
Certification	CE, FCC, RoHS

Recommended Accessories

- **Power:** 12VDC @1A power adapter
- **NIC:** Intel Pro1000 and above version recommended
- **Network Cable:** CAT5e or CAT6 network cable recommended

Dimensions