

## CHGM-2000M/C 20MP, 1" CMOS, GigE Camera

**GIG**  
VISION



CHGM-2000M/C 20 MP 1" 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.

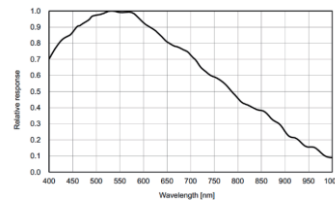
### Key Features

- 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.

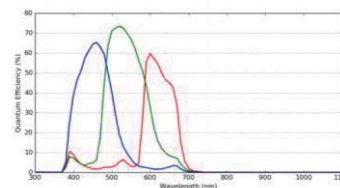
### Application Scenarios

- Electronic semiconductor
- Factory automation
- Quality Inspection

### Spectral Response



CHGM-2000M Quantum Efficiency



CHGM-2000C Quantum Efficiency

### Order Model

Mono: CHGM-2000M

Color: CHGM-2000C

## Specifications

Model	CHGM-2000M	CHGM-2000C
Parameters	20MP, 1" CMOS, GigE Camera	
<b>Camera</b>		
Sensor	IMX183	
Pixel Size	2.4μm×2.4μm	
Sensor Size	1"	
Resolution	5472×3648	
Frame Rate	6fps	
Dynamic Range	65dB	
SNR	40dB	
Gain Range	0-20dB	
Exposure Time	46μs-2.5sec	
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	Mono 8/10/12, RGB8, Bayer GB 8/10/10p/12/12p, YUV 422 Packed, YUV422_YUYV_Packed
<b>General</b>		
Power	< 3.94W@12VDC, Voltage 5-15VDC, PoE supported	
Temperature	Working Temperature 0~50°C, Storage Temperature -30~70°C	
Humidity	20%-80% RH without condensation	
Dimension	44mm×29mm×60mm	
Weight	< 86g	
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

