

CHGC-120M/C 1.3MP, 1/3" CCD, GigE Camera

GigE
VISION



CHGC-120M/C 1.3 MP 1/3" CCD GigE Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor fabrication, factory automation, quality inspection.

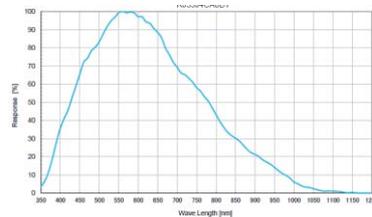
Key Features

- 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.
- Embed special color interpolation algorithm which reproduces color performance better and supports auto white balance function.
- Compliant with GigE Vision V1.2, can be supported by third party software.

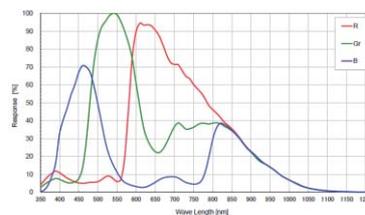
Application Scenarios

- Electronic semiconductor
- Factory automation
- Quality Inspection

Spectral Response



CHGC-120M Quantum Efficiency



CHGC-120C Quantum Efficiency

Order Models

Mono: CHGC-120M

Color: CHGC-120C

Specifications

Model	CHGC-120M	CHGC-120C
Parameters	1.3MP, 1/3" CCD, GigE Camera	
Camera		
Sensor	RJ33	
Pixel Size	3.75μm×3.75μm	
Sensor Size	1/3"	
Resolution	1280×960	
Frame Rate	30fps	
Dynamic Range	>60dB	
SNR	>37dB	
Gain Range	0-20dB	
Exposure Time	34μs-1sec	
Shutter Mode	Global 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, Bayer GR 8/10/10p/12/12p, YUV 422 Packed, YUV422_YUYV_Packed, RGB8
General		
Power	Approx. 2.6W@12VDC, Voltage 5~15VDC, PoE supported	
Temperature	Working Temperature 0~50°C, Storage Temperature -30~70°C	
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

