

CHGM-1228M/C

12MP, 1.1" CMOS, GigE Camera



CHGM-1228M/C 12 MP 1.1" CMOS GigE Camera is a high quality device that can be used in a variety of applications, including electronic semiconductor related applications, factory automation, medicine packaging and etc.

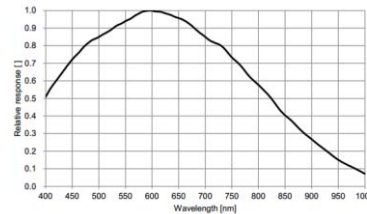
Key Features

- 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.

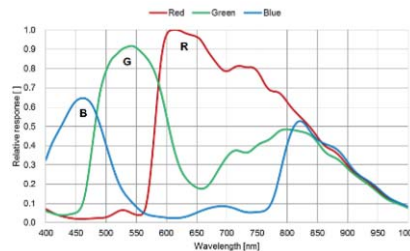
Application Scenarios

- Electronic semiconductor related applications
- Factory automation
- Medicine packaging

Spectral Response



CHGM-1228M Quantum Efficiency



CHGM-1228C Quantum Efficiency

Order Model

Mono: CHGM-1228M

Color: CHGM-1228C

Specifications

| Model | CHGM-1228M | CHGM-1228C |
|---------------------|---|--|
| Parameters | 12MP, 1.1" CMOS, GigE Camera | |
| Camera | | |
| Sensor | IMX304 | |
| Pixel Size | 3.45μm×3.45μm | |
| Sensor Size | 1.1" | |
| Resolution | 4096×3000 | |
| Frame Rate | 9.4fps | |
| Dynamic Range | >65dB | |
| SNR | >40dB | |
| Gain Range | 0-20dB | |
| Exposure Time | 50μs-10sec | |
| 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, RGB8, Bayer RG 8/10/10p/12/12p, YUV 422 Packed, YUV422_YUYV_Packed |
| General | | |
| Power | < 4.22W@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 | < 100g | |
| 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

