

## MV-CE003-20GM/GC 0.3MP, 1/4" CMOS, GigE Camera



The Hikvision MV-CE003-20GM/GC 0.3 MP 1/4" 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.

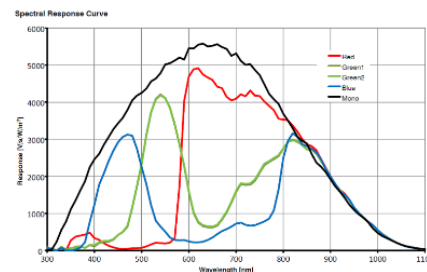
### Key Features

- 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.
- 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



MV-CE003-20GM/GC Quantum Efficiency

### Order Models

Mono: MV-CE003-20GM  
Color: MV-CE003-20GC



## Specifications

| Model               | MV-CE003-20GM                                                                       | MV-CE003-20GC                                                                             |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Parameters          | 0.3MP, 1/4" CMOS, GigE Camera                                                       |                                                                                           |
| <b>Camera</b>       |                                                                                     |                                                                                           |
| Sensor              | PYTHON                                                                              |                                                                                           |
| Pixel Size          | 4.8μm×4.8μm                                                                         |                                                                                           |
| Sensor Size         | 1/4"                                                                                |                                                                                           |
| Resolution          | 640×480                                                                             |                                                                                           |
| Frame Rate          | 173fps                                                                              |                                                                                           |
| Dynamic Range       | >60dB                                                                               |                                                                                           |
| SNR                 | >40dB                                                                               |                                                                                           |
| Gain Range          | 0-9.5dB                                                                             |                                                                                           |
| Exposure Time       | 42μs-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<br>8/10/10p/12/12p, YUV 422 Packed,<br>YUV 422 (YUYV) Packed |
| <b>General</b>      |                                                                                     |                                                                                           |
| Power               | Approx. 3.0W@12VDC, Voltage 5~15VDC, PoE supported                                  |                                                                                           |
| Temperature         | Working Temperature 0~50°C, Storage Temperature -30~70°C                            |                                                                                           |
| 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

