

GigE Industrial Camera Series

This series of cameras are compatible with GigE vision and genicam standards. It includes various of color and monochrome CMOS and CCD, global shutter and rolling shutter photosensitive chip ,Front-end chips for area and line arrays are also included. The pixel support ranges from 0.3MP to 65MP. It is fully compatible with LabVIEW, Halcon and visionpro And other mainstream visual software. It widely used in electronic semiconductors, factory automation, food and beverage, pharmaceutical packaging, image measurement.



GE Series.CMOS Sensor



GEF Series.Large target surface



GEC Series



GED Series.CCD Sensor

Product Features

- Unique packet retransmission technology to ensure the data reliable transmission
- The built-in hardware accelerates image processing and reduces CPU utilization on the host side
- Support simultaneous operation of multiple cameras, unlimited number, and arbitrary networking
- Pixels from 0.3MP to 65MP, CCD and CMOS are optional
- Excellent SDK design, as simple as using a USB camera, plug and play
- Support external trigger and flash synchronization, up to seven channels of GPIO, all photoelectric isolation
- Compatible with the vision standard, drive free and directly support Halcon, visionpro and other software
- Gigabit network interface, 100m long-distance stable transmission, supporting Poe power supply (optional)

Product Selection Table

| Model Number | Effective Pixels | Sensor type | Shutter method | Maximum resolution | Pixel size | Frame rate (FPS) | Target size | Minimum exposure | Sensor Model | Colour |
|----------------|------------------|-------------|----------------|--------------------|------------|------------------|-------------|------------------|--------------|------------|
| MV-GE33GC/M | 0.3MP | CMOS | Global | 640X480 | 4.0μm | 380 | 1/5.6" | 0.01ms | SmartSens | Color/Mono |
| MV-GE34GC/M | 0.3MP | CMOS | Global | 640X480 | 4.8μm | 387 | 1/4" | 0.004ms | PYTHON | Color/Mono |
| MV-GE40GC/M | 0.4MP | CMOS | Global | 720X540 | 6.9μm | 298 | 1/2.9" | 0.005ms | IMX287 | Color/Mono |
| MV-GE50GC/M | 0.48MP | CMOS | Global | 800X600 | 4.8μm | 119 | 1/3.6" | 0.009ms | PYTHON480 | Color/Mono |
| MV-GE130M | 1.3MP | CMOS | Rolling | 1280X1024 | 5.2μm | 30 | 1/2" | 0.032ms | MT9M001 | Mono |
| MV-GE131GC | 1.22MP | CMOS | Global | 1280X960 | 3.75μm | 72 | 1/3" | 0.014ms | AR0134 | Color |
| MV-GE130GM | 1.22MP | CMOS | Global | 1280X960 | 3.75μm | 60.6 | 1/3" | 0.016ms | AR0135 | Mono |
| MV-GE130RC | 1.22MP | CMOS | Rolling | 1280X960 | 3.75μm | 60.5 | 1/3" | 0.016ms | AR0130 | Color |
| MV-GE133GC/M | 1.3MP | CMOS | Global | 1280x1024 | 4μm | 91 | 1/2.7" | 0.019ms | SC130GS | Color/Mono |
| MV-GE134GC/M | 1.3MP | CMOS | Global | 1280X1024 | 4.8μm | 91 | 1/2" | 0.008ms | PYTHON | Color/Mono |
| MV-GE200C | 2MP | CMOS | Rolling | 1920X1080 | 2.98μm | 30 | 1/2.8" | 0.02ms | SONY | Color |
| MV-GE200GC/M | 2MP | CMOS | Global | 1600X1200 | 4.5μm | 60 | 1/1.8" | 0.016ms | EV76C570 | Color/Mono |
| MV-GE202GC/M | 2.3MP | CMOS | Global | 1920X1200 | 4.8μm | 51 | 2/3" | 0.005ms | PYTHON2000 | Color/Mono |
| MV-GE231GC/M | 2.3MP | CMOS | Global | 1920X1200 | 5.86μm | 40 | 1/1.2" | 0.02ms | IMX249 | Color/Mono |
| MV-GE232GC/M | 2.3MP | CMOS | Global | 1920X1200 | 3.0μm | 52 | 1/2.6" | 0.014ms | AR0234 | Color/Mono |
| MV-GE300GC/M | 3MP | CMOS | Global | 2048X1536 | 3.45μm | 38 | 1/1.8" | 0.016ms | IMX265 | Color/Mono |
| MV-GE501GC/M | 5MP | CMOS | Global | 2448X2048 | 3.45μm | 24 | 2/3" | 0.022ms | IMX264 | Color/Mono |
| MV-GE502C/M | 5MP | CMOS | Rolling | 2592X1944 | 2.2μm | 24 | 1/2.5" | 0.02ms | AR0521 | Color/Mono |
| MV-GE502GC/M | 5.3MP | CMOS | Global | 2592X2048 | 4.8μm | 22 | 1" | 0.005ms | PYTHON5000 | Color/Mono |
| MV-GE505GC/M | 5MP | CMOS | Global | 2592X2048 | 3.2μm | 22 | 2/3" | 0.044ms | XGS5000 | Color/Mono |
| MV-GE630C/M | 6.3MP | CMOS | Rolling | 3088X2064 | 2.4μm | 18.7 | 1/1.8" | 0.025ms | IMX178 | Color/Mono |
| MV-GE1000C/M | 10MP | CMOS | Rolling | 3664X2748 | 1.67μm | 8 | 1/2.3" | 0.043ms | MT9J003 | Color/Mono |
| MV-GE1201C/M | 12MP | CMOS | Rolling | 4000X3000 | 1.85μm | 9.86 | 1/1.7" | 0.008ms | IMX226 | Color/Mono |
| MV-GE1202C/M | 12MP | CMOS | Rolling | 4000X3000 | 1.65μm | 9.5 | 1/2" | 0.034ms | AR1202 | Color/Mono |
| MV-GE1600C/M | 16MP | CMOS | Rolling | 4608X3456 | 1.34μm | 7 | 1/2.3" | 0.037ms | IMX206 | Color/Mono |
| MV-GE2000C/M | 20MP | CMOS | Rolling | 5488X3672 | 2.4μm | 5.9 | 1" | 0.016ms | IMX183 | Color/Mono |
| MV-GED32C/M | 0.3MP | CCD | Global | 640X480 | 7.4μm | 165 | 1/3" | 0.0002ms | SHARP | Color/Mono |
| MV-GED130C/M | 1.3MP | CCD | Global | 1280X960 | 3.75μm | 43 | 1/3" | 0.001ms | SHARP | Color/Mono |
| MV-GED200C/M | 2MP | CCD | Global | 1600X1200 | 4.4μm | 27 | 1/1.8" | 0.0002ms | SHARP | Color/Mono |
| MV-GED500C/M | 5MP | CCD | Global | 2448X2048 | 3.45μm | 9 | 2/3" | 0.0002ms | SHARP | Color/Mono |
| MV-GEC501M | 5.22MP | CMOS | Rolling | 2640X1968 | 6.6μm | 21.4 | 4/3" | 0.011ms | OEM | Mono |
| MV-GEF401GC/M | 4MP | CMOS | Global | 2048X2048 | 5.5μm | 28.5 | 1" | 0.016ms | OEM | Color/Mono |
| MV-GEF890GC/M | 8.9MP | CMOS | Global | 4096X2160 | 3.45μm | 13 | 1" | 0.034ms | IMX267 | Color/Mono |
| MV-GEF1200GC/M | 12MP | CMOS | Global | 4096X3000 | 3.45μm | 9.6 | 1.1" | 0.034ms | IMX304 | Color/Mono |
| MV-GEF1205GC/M | 12MP | CMOS | Global | 4096X3072 | 3.2μm | 9 | 1" | 0.014ms | XGS12000 | Color/Mono |

Technical Parameters

| Model Parameter | MV-GE33GC/M | MV-GE34GC/M | MV-GE40GC/M | MV-GE50GC/M |
|--------------------------|--|--|---|---|
| Resolution@ frame rate | 640X480@380 | 640X480@387 | 720X540@298 | 800X600@119 |
| Pixel size | 4.0μmX4.0μm | 4.8μmX4.8μm | 6.9μmX6.9μm | 4.8μmX4.8μm |
| Pixel bit depth | 8bit | 10bit | 8bit | 10bit |
| Sensitivity | 8V/lux-s 540nm | 7.3V/lux-s 540nm | 3660mV 1/30s | 7.7V/lux-s 550nm |
| Acquisition mode | Continuous/soft trigger/hard trigger | | | |
| Maximum gain (multiple) | 32 | 16.5 | 256 | 8 |
| Exposure time range (ms) | 0.01~40 | 0.0040~524.3 | 0.005~2999.7 | 0.009~589.8 |
| Frame buffer | 32M Bytes | | | |
| User-defined data area | 2K Bytes | | | |
| Video output format | raw8 | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 | Color : Bayer8/Bayer10 Mono : Mono8/Mono10 |
| GPIO | 1 optical isolation input | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | |
| Lens Mount | C-Mount | | | |
| Power supply | 9~12V(POE is optional) | | | |
| Power | <2.5W | | | |
| Dimensions | 29X29X40mm (Without lens mount and rear shell interface) | | | |
| Weight | <75g | | | |

| Model Parameter | MV-GE130M | MV-GE131GC | MV-GE130GM | MV-GE130RC |
|--------------------------|--|------------------------|---------------------|------------------------|
| Resolution@ frame rate | 1280X1024@30 | 1280X960@72 | 1280X960@60.6 | 1280X960@60.5 |
| Pixel size | 5.2μmX5.2μm | 3.75μmX3.75μm | 3.75μmX3.75μm | 3.75μmX3.75μm |
| Pixel bit depth | 10bit | 12bit | 12bit | 12bit |
| Sensitivity | 2.1V/lux-s 550nm | 5.3V/lux-s 550nm | 6.1V/lux-s 550nm | 5.5V/lux-s 550nm |
| Acquisition mode | Continuous/soft trigger/hard trigger | | | |
| Maximum gain (multiple) | 15 | 4 | 4 | 8 |
| Exposure time range (ms) | 0.032~524 | 0.014~53 | 0.016~30 | 0.016~1048 |
| Frame buffer | 32M Bytes | | | |
| User-defined data area | 2K Bytes | | | |
| Video output format | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 | Color : Bayer8/Bayer12 | Mono : Mono8/Mono12 | Color : Bayer8/Bayer12 |
| GPIO | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | | |
| Lens Mount | C-Mount | | | |
| Power supply | 9~12V(POE is optional) | | | |
| Power | <2.5W | | | |
| Dimensions | 29X29X40mm (Without lens mount and rear shell interface) | | | |
| Weight | <75g | | | |

Technical Parameters

| Model Parameter | MV-GE133GC/M | MV-GE134GC/M | MV-GE200C | MV-GE200GC/M |
|--------------------------|--|--|----------------|---|
| Resolution@ frame rate | 1280x1024@91 | 1280X1024@91 | 1920X1080@30 | 1600X1200@60 |
| Pixel size | 4μm BSI | 4.8μmX4.8μm | 2.98μmX2.98μm | 4.5μmX4.5μm |
| Pixel bit depth | 8bit | 10bit | 8bit | 10bit |
| Sensitivity | 8 V/Lux.s | 7.3V/lux-s 540nm | 1300mV 1/30s | 7.4V/lux-s 3200K |
| Acquisition mode | Continuous/soft trigger/hard trigger | | | |
| Maximum gain (multiple) | 32 | 16.5 | Automatic Gain | 8 |
| Exposure time range (ms) | 0.019~79 | 0.008~1048 | 0.02~121.9 | 0.016~91 |
| Frame buffer | 32M Bytes | | | |
| User-defined data area | 2K Bytes | | | |
| Video output format | raw8 | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 | Bayer8 | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 |
| GPIO | 1 optical isolation input | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | |
| Lens Mount | C-Mount | | | |
| Power supply | 9~12V(POE is optional) | | | |
| Power | <2.5W | | | |
| Dimensions | 29X29X40mm (Without lens mount and rear shell interface) | | | |
| Weight | <75g | | | |

| Model Parameter | MV-GE202GC/M | MV-GE231GC/M | MV-GE232GC/M | MV-GE300GC/M |
|--------------------------|--|--|--|---|
| Resolution@ frame rate | 1920X1200@51 | 1920X1200@40 | 1920X1200@52 | 2048X1536@38 |
| Pixel size | 4.8μmX4.8μm | 5.86μmX5.86μm | 3.0μmX3.0μm | 3.45μmX3.45μm |
| Pixel bit depth | 10bit | 12bit | 8bit | 12bit |
| Sensitivity | 7.5V/lux.s 550nm | Color : 1016mV 1/30s Mono : 825mV 1/30s | Color : 3.1V/lux*s Mono: 3.6V/lux*s | 915mV 1/30s |
| Acquisition mode | Continuous/soft trigger/hard trigger | | | |
| Maximum gain (multiple) | 8 | 64 | 16 | 64 |
| Exposure time range (ms) | 0.005~327.7 | 0.02~41943 | 0.014~917.5 | 0.016~16777 |
| Frame buffer | 32M Bytes | | | |
| User-defined data area | 2K Bytes | | | |
| Video output format | Color : Bayer8/Bayer1 Mono : Mono8/Mono12 | | Color : Bayer8 Mono : Mono8 | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 |
| GPIO | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | | |
| Lens Mount | C-Mount | | | |
| Power supply | 9~12V(POE is optional) | | | |
| Power | <3.036W | <2.5W | | <3.1W |
| Dimensions | 29X29X40mm (Without lens mount and rear shell interface) | | | |
| Weight | <75g | | | |

Technical Parameters

| Model Parameter | MV-GE501GC/M | MV-GE502C/M | MV-GE502GC/M | MV-GE505GC/M |
|--------------------------|--|---|-------------------|--------------|
| Resolution@ frame rate | 2448X2048@24 | 2592X1944@24 | 2592X2048@22 | 2592X2048@22 |
| Pixel size | 3.45μmX3.45μm | 2.2μmX2.2μm | 4.8μmX4.8μm | 3.2μmX3.2μm |
| Pixel bit depth | 12bit | 10bit | 10bit | 12bit |
| Sensitivity | Color : 1146mV 1/30s Mono : 915mV 1/30s | Color : 18.8 ke-/lux*sec Mono : 36 ke-/lux*sec | 7.5 V/lux.s 550nm | / |
| Acquisition mode | Continuous/soft trigger/hard trigger | | | |
| Maximum gain (multiple) | 64 | 15 | 8 | 22 |
| Exposure time range (ms) | 0.022~23068 | 0.02~155.5 | 0.005~327 | 0.044~11534 |
| Frame buffer | 32M Bytes | | | |
| User-defined data area | 2K Bytes | | | |
| Video output format | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 | | | |
| GPIO | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | | |
| Lens Mount | C-Mount | | | |
| Power supply | 9~12V(POE is optional) | | | |
| Power | < 2.5W | | | |
| Dimensions | 29X29X40mm (Without lens mount and rear shell interface) | | | |
| Weight | < 75g | | | |

| Model Parameter | MV-GE630C/M | MV-GE1000C/M | MV-GE1201C/M | MV-GE1202C/M |
|--------------------------|--|-------------------|----------------|---------------|
| Resolution@ frame rate | 3088X2064@18.7 | 3664X2748@8 | 4000X3000@9.86 | 4000X3000@9.5 |
| Pixel size | 2.4μmX2.4μm | 1.67μmX1.67μm | 1.85μmX1.85μm | 1.65μmX1.65μm |
| Pixel bit depth | 12bit | 12bit | 8bit | 8bit |
| Sensitivity | 425mV 1/30s | 0.31V/lux-s 550nm | 250mV 1/30s | / |
| Acquisition mode | Continuous/soft trigger/hard trigger | | | |
| Maximum gain (multiple) | 32 | 8 | 9.86 | 64 |
| Exposure time range (ms) | 0.025~3612 | 0.043~950 | 0.008~1048.6 | 0.034~2228 |
| Frame buffer | 32M Bytes | | | |
| User-defined data area | 2K Bytes | | | |
| Video output format | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 | | | raw8 |
| GPIO | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | | |
| Lens Mount | C-Mount | | | |
| Power supply | 9~12V(POE is optional) | | | |
| Power | < 2.5W | | | |
| Dimensions | 29X29X40mm (Without lens mount and rear shell interface) | | | |
| Weight | < 75g | | | |

Technical Parameters

| Parameter | Model | MV-GE1600C/M | MV-GE2000C/M | MV-GED32C/M | MV-GED130C/M |
|--------------------------|-------|--|---|---|--|
| Resolution@ frame rate | | 4608X3456@7 | 5488X3672@5.9 | 640X480@165 | 1280X960@43 |
| Pixel size | | 1.34μmX1.34μm | 2.4μmX2.4μm | 7.4μmX7.4μm | 3.75μmX 3.75μm |
| Pixel bit depth | | 12bit | 12bit | 12bit | 12bit |
| Sensitivity | | 142mV 1/30s | Color : 462mV 1/30s Mono : 388mV 1/30s | Color : 3000mV 1/30s Mono : 4500mV 1/30s | Color : 950mV 1/30s Mono : 1430mV 1/30s |
| Acquisition mode | | Continuous/soft trigger/hard trigger | | | |
| Maximum gain (multiple) | | 16 | 22 | Color : 100 Mono : 125 | 32 |
| Exposure time range (ms) | | 0.037~12275 | 0.016~4194.3 | 0.0002~10000 | 0.001~3692 |
| Frame buffer | | 32M Bytes | | | |
| User-defined data area | | 2K Bytes | | | |
| Video output format | | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 | | | |
| GPIO | | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | | |
| Lens Mount | | C-Mount | | | |
| Power supply | | 9~12V(POE is optional) | | | |
| Power | | <2.5W | | | |
| Dimensions | | 29X29X40mm (Without lens mount and rear shell interface) | | | |
| Weight | | <75g | | | |

| Parameter | Model | MV-GED200C/M | MV-GED500C/M | MV-GEC501M | MV-GEF401GC/M |
|--------------------------|-------|---|--|---|--|
| Resolution@ frame rate | | 1600X1200@27 | 2448X2048@9 | 2640X1968@21.4 | 2048X2048@28.5 |
| Pixel size | | 4.4μmX4.4μm | 3.45μmX3.45μm | 6.6μmX6.6μm | 5.5μmX5.5μm |
| Pixel bit depth | | 12bit | 12bit | 12bit | 10bit |
| Sensitivity | | Mono : 1100mV 1/30s Mono : 1650mV 1/30s | Mono : 530mV 1/30s Mono : 800mV 1/30s | 380nm~1200nm | 7.5V/lux-s 540nm |
| Acquisition mode | | Continuous/soft trigger/hard trigger | | | |
| Maximum gain (multiple) | | 32 | 32 | 160 | 16.5 |
| Exposure time range (ms) | | 0.0002~36923 | 0.0002~40000 | 0.011~5767 | 0.016~2097 |
| Frame buffer | | 32M Bytes | 32M Bytes | 128M Bytes | 32M Bytes |
| User-defined data area | | 2K Bytes | | | |
| Video output format | | Mono : Bayer8/Bayer12 Mono8/Mono12 | | | |
| GPIO | | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | 1 channel trigger input, 1 channel flash control output; 2 GPI inputs and 3 GPO outputs | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs |
| Lens Mount | | C-Mount | | | |
| Power supply | | 9~12V(POE is optional) | | | |
| Power | | <2.5W | | <4.2W | <2.5W |
| Dimensions | | 29X29X40mm (Without lens mount and rear shell interface) | | 59.5X59.5X35.5mm (Without lens mount and rear shell interface) | 29X39.5X40mm (Without lens mount and rear shell interface) |
| Weight | | <75g | | <250g | <100g |

Technical Parameters

| Model | MV-GEF890GC/M | MV-GEF1200GC/M | MV-GEF1205GC/M |
|--------------------------|--|-----------------------------|----------------|
| Resolution@frame rate | 4096X2160@13 | 4096X3000@9.6 | 4096X3072@9 |
| Pixel size | 3.45μmX3.45μm | 3.45μmX3.45μm | 3.2μmX3.2μm |
| Pixel bit depth | 12bit | 12bit | 8bit |
| Sensitivity | Color : 1146mV Mono : 915mV | Color : 1146mV Mono : 915mV | / |
| Acquisition mode | Continuous/soft trigger/hard trigger | | |
| Maximum gain (multiple) | 249.9 | 249.9 | 8 |
| Exposure time range (ms) | 0.034~71303 | 0.034~71303 | 0.014~917.5 |
| Frame buffer | 32M Bytes | | |
| User-defined data area | 2K Bytes | | |
| Video output format | Color : Bayer8/Bayer12 Mono : Mono8/Mono12 | | |
| GPIO | 1 optical isolation input, one optical isolation output; optional 3 inputs and 4 outputs | | |
| Lens Mount | C-Mount | | |
| Power supply | 9~12V(POE is optional) | | |
| Power | <3.828W | <3.744W | <3.2W |
| Dimensions | 29X29X40mm (Without lens mount and rear shell interfac) | | |
| Weight | <100g | <100g | <100g |

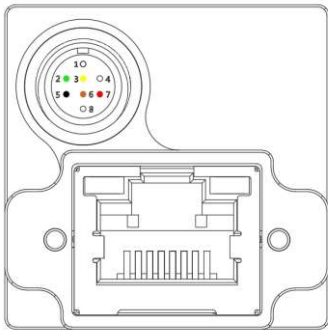
General parameters

| | |
|-------------------------------|--|
| Vision Standard Agreement | GigE Vision V1.2, GenIcam |
| Data interface | Rj45 Gigabit Ethernet interface, backward compatible with 100M network standard |
| Operating system | WIINXP, WIN7/8/10 32@64 bit system, Linux and ARM Linux driver, Android platform driver, MAC OS system |
| Driver | Directshow component Halcon special component Labview special driver OCX component TWAIN component |
| Programming language pack | C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java |
| Working temperature @humidity | 0~50°C @ 20%~80%(No condensation) |
| Storage temperature @humidity | -30~60°C @ 20%~95%(No condensation) |
| Other functions | Support any size ROI custom resolution, contrast and gamma adjustment, saturation adjustment, white balance correction, black level correction, custom dead point coordinate correction,ISP image processing acceleration, 3D noise reduction, custom LUT table, frame rate adjustment, custom camera name, etc. |

GE/GEF/GED/GEC Camera Suffix Selection Table

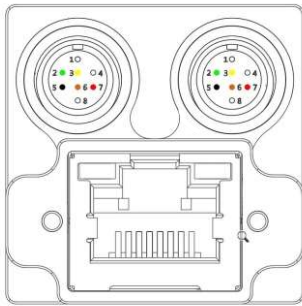
| Function Suffix | Aircraft head line sequence Definition diagram | POE Power supply | Dual air bearextend IO | Shrapnel typeAircraft head interface | Threaded typeAircraft head interface | Lens interface C-mount | Lens interface CS-mount | State |
|--------------------|---|---------------------|---------------------------|--|--|---------------------------|----------------------------|---------------------|
| -T-CL | 1 | | | | ● | ● | | Recommend |
| -T-L | 1 | | | | ● | | ● | Book |
| -TPO-CL | 2 | ● | ● | | ● | ● | | Book |
| -T1-C | 3 | | | ● | | ● | | Recommend |
| -T1P-C | 3 | ● | | ● | | ● | | Book |
| -T | 4 | | | ● | | | ● | Planned shutdown |
| -TPO | 5 | ● | ● | ● | | | ● | Planned shutdown |
| -TPO-C | 5 | ● | ● | ● | | ● | | Planned shutdown |

Line Sequence Definition1



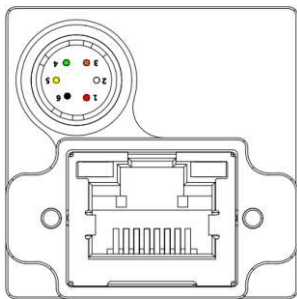
| Port | Pin number | Line color | Signal name | Signal description | Remarks |
|--------|---------------|-----------------------|------------------|---|------------------------------|
| Port A | 1 | White | GPI1+/TRIG_IN+ | GPI1 Positive end/Trigger input positive end | The default is trigger |
| | 2 | Green | GPO1+/STRB_OUT + | GPO1 Positive end / Flash output positive end | The default is flash output |
| | 3 | Yellow | GPO1-/STRB_OUT- | GPO1 Negative terminal / flash output negative terminal | The default is flash output |
| | 4 | Empty foot | | | |
| | 5 | Black | PWRGND | Camera power input negative terminal | |
| | 6 | Brown(high soft blue) | GPI1-/TRIG_IN- | GPI1 Negative end / trigger input negative end | The default is trigger input |
| | 7 | Red | PWR12V | Camera power input positive terminal | |
| | 8 | Empty foot | | | |

Line Sequence Definition2



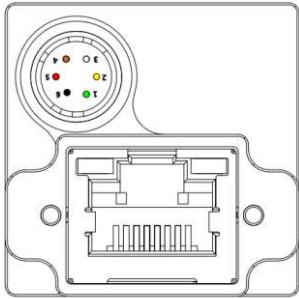
| Port | Pin Number | Line Color | Signal Name | Signal Description | Remarks |
|--------|------------|---------------------------|------------------|---|--------------------------|
| Port A | 1 | White | GPI1+/TRIG_IN+ | GPI1 positive end/Trigger input positive end | Default to trigger input |
| | 2 | Green | GPO1+/STRB_OUT + | GPO1 positive end/Positive end of flash output | Default to flash output |
| | 3 | Yellow | GPO1-/STRB_OUT- | GPO1 negative end/Flash output negative terminal | Default to flash output |
| | 4 | Empty foot | | | |
| | 5 | Black | PWRGND | Camera power input negative terminal | |
| | 6 | Brown (High soft blue) | GPI1-/TRIG_IN- | GPI1 negative end/Trigger input negative terminal | Default to trigger input |
| | 7 | Red | PWR12V | Camera power input positive terminal | |
| | 8 | Empty foot | | | |
| Port B | 1 | White | GPO4+ | GPO4 positive end output | |
| | 2 | Green | GPO2+ | GPO2 positive end output | |
| | 3 | Yellow | GPO3+ | GPO3 positive end output | |
| | 4 | Empty foot | | | |
| | 5 | Black | GPIO_COM | GPIO common negative terminal | |
| | 6 | Brown | GPI2+ | GPI2 positive end output | |
| | 7 | Red | GPI3+ | GPI3 positive end output | |
| | 8 | Empty foot | | | |

Line Sequence Definition3



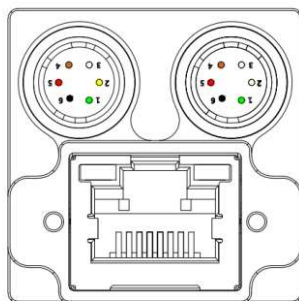
| Port | Pin Number | Line Color | Signal Name | Signal Description | Remarks |
|--------|------------|------------|------------------------------|--|-------------------------------|
| Port A | 1 | Red | PWR12V | Camera power input positive terminal | |
| | 2 | White | GPI1+/TRIG_IN+ | GPI1 positive end/Trigger input positive end | Default to trigger input |
| | 3 | Brown | GPO2+ | GPO2 output positive end | |
| | 4 | Green | GPO1+/STRB_OUT + | GPO1 positive end/Positive end of flash output | Default to flash output |
| | 5 | Yellow | GPO1-/STRB_OUT- /TRIG_IN- | GPO1 negative end/Flash output negative terminal/Trigger input negative terminal | GPIO common negative terminal |
| | 6 | Black | PWRGND | Camera power input negative terminal | |

Line Sequence Definition4



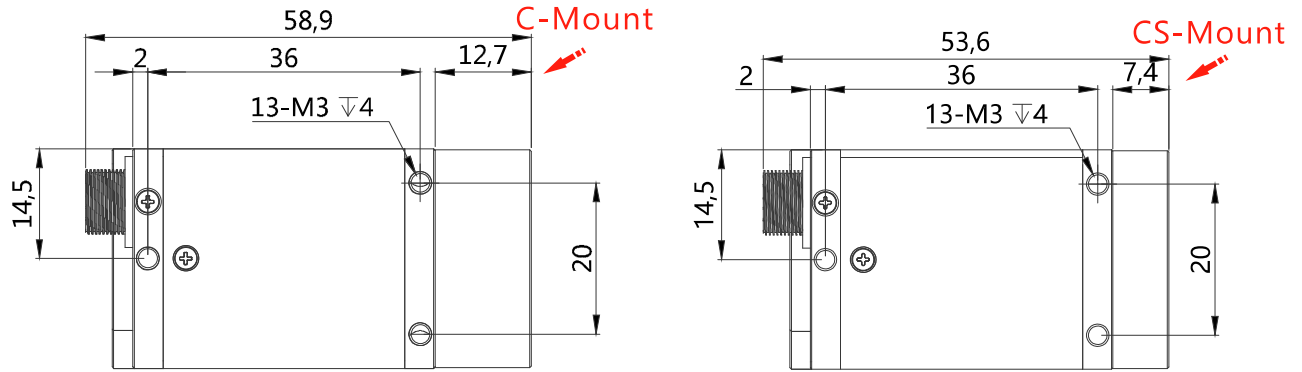
| Port | Pin number | Line color | Signal name | Signal name | Remarks |
|--------|------------|------------|-----------------|--|--------------------------|
| Port A | 1 | Green | GPO1+/STRB_OUT+ | GPO1positive end/Positive end of flash | Default to flash output |
| | 2 | Yellow | GPO1-/STRB_OUT- | GPO1negative end/Flash output negative | Default to flash output |
| | 3 | White | GPI1+/TRIG_IN+ | GPI1positive end/Trigger input positive end | Default to trigger input |
| | 4 | Brown | GPI1-/TRIG_IN- | GPI1Negative end/Trigger input negative terminal | Default to trigger input |
| | 5 | Red | PWR12V | Camera power input positive terminal | |
| | 6 | Black | PWRGND | Camera power input negative terminal | |

Line Sequence Definition5



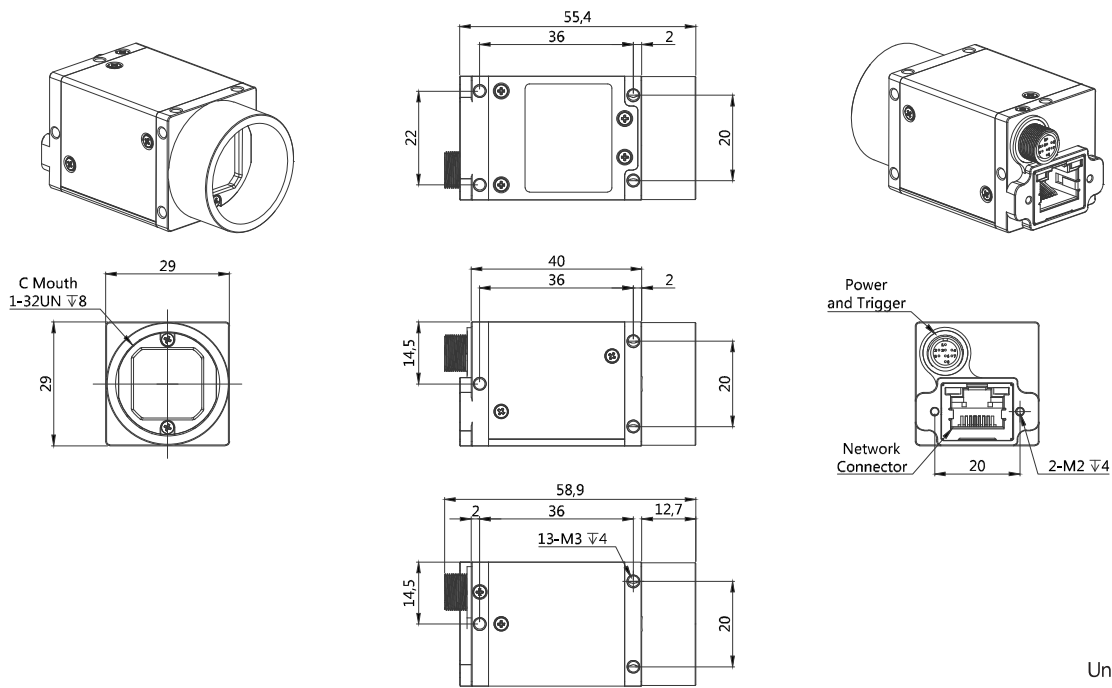
| Port | Pin number | Line color | Signal name | Signal description | Remarks |
|--------|------------|------------|-----------------|---|--------------------------|
| Port A | 1 | Green | GPO1+/STRB_OUT+ | GPO1 positive end/Positive end of flash output | Default to flash output |
| | 2 | Yellow | GPO1-/STRB_OUT- | negativeterminalGPO1negative end/Flash output | Default to flash output |
| | 3 | White | GPI1+/TRIG_IN+ | GPI1positive end/Trigger input positive end | Default to trigger input |
| | 4 | Brown | GPI1-/TRIG_IN- | GPI1 negative end/Trigger input negative terminal | Default to trigger input |
| | 5 | Red | PWR12V | Camera power input positive terminal | |
| | 6 | Black | PWRGND | Camera power input negative terminal | |
| Port B | 1 | Green | GPO2+ | GPO2 positive end output | |
| | 2 | Yellow | GPO3+ | GPO3 positive end output | |
| | 3 | White | GPO4+ | GPO4 positive end output | |
| | 4 | Brown | GPI2+ | GPI2 positive input | |
| | 5 | Red | GPI3+ | GPI3 positive input | |
| | 6 | Black | GPIO_COM | GPIO common negative terminal | |

C-Mount/CS-Mount Camera Drawing



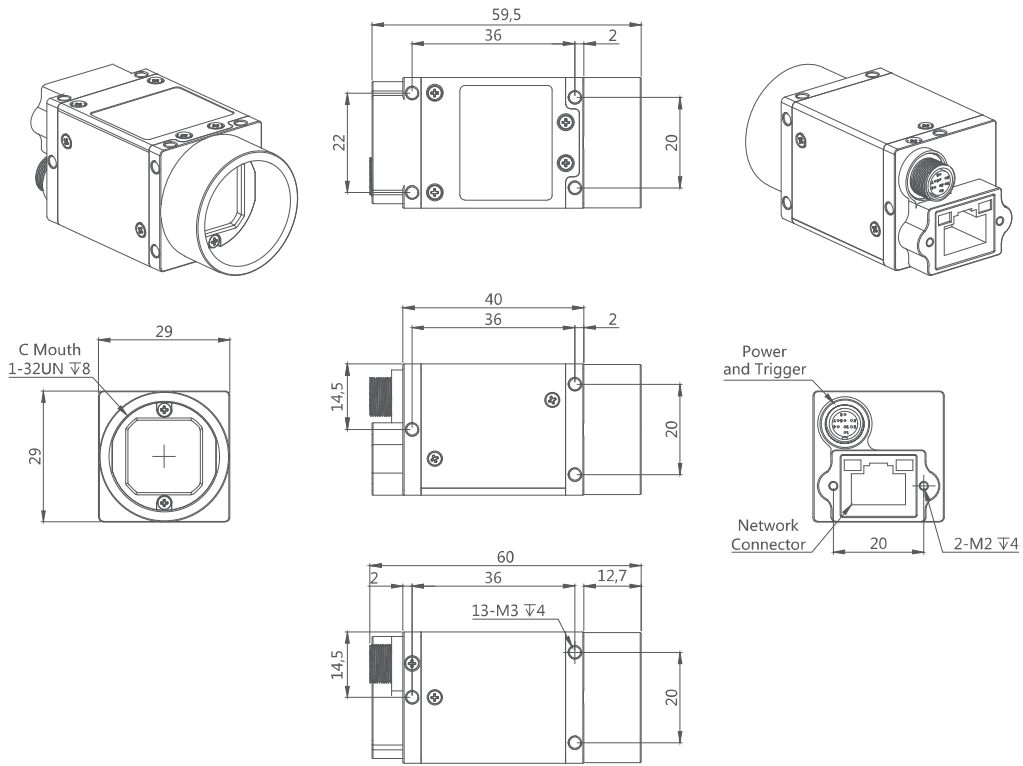
Unit mm

GE Series Dimension Drawing



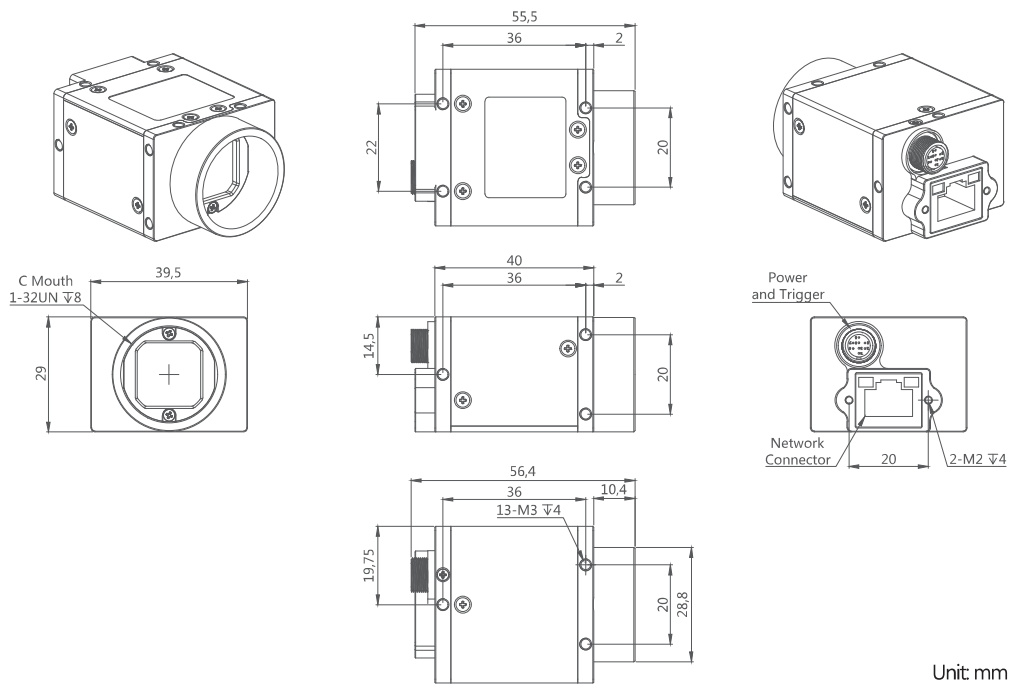
Unit mm

GED Series Dimension Drawing



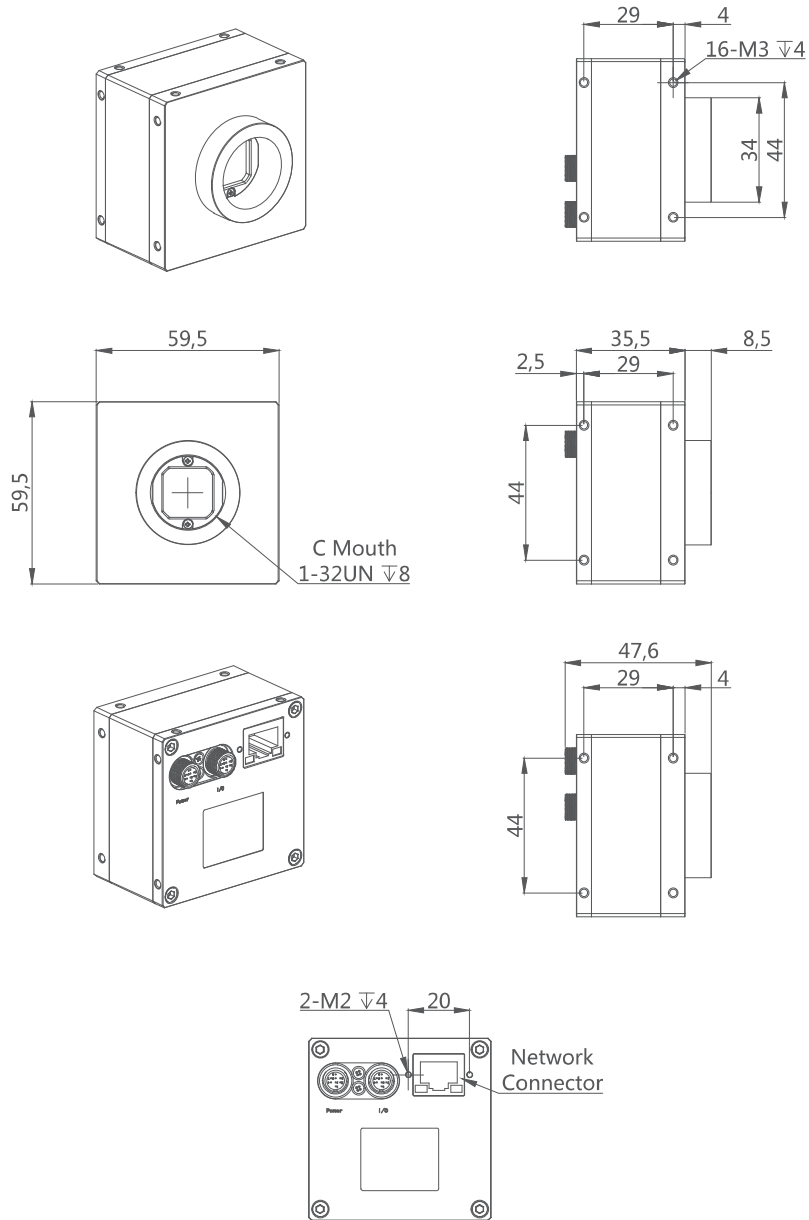
GEF Series Dimension Drawing

Unit: mm



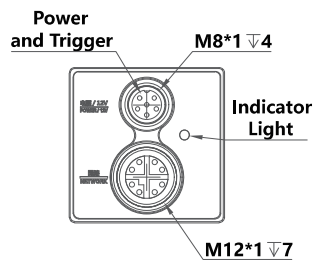
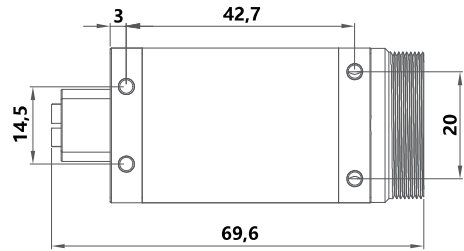
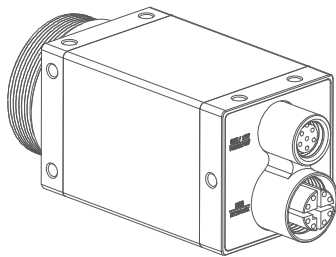
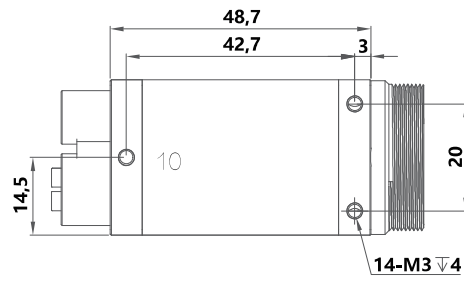
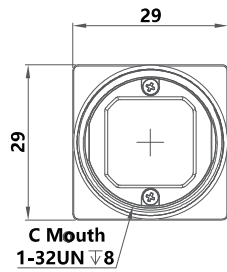
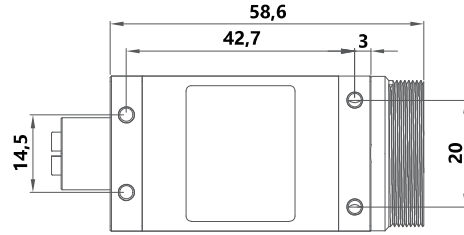
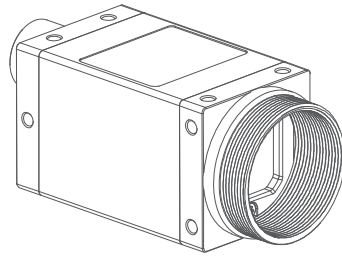
Unit: mm

GEC Series Dimension Drawing



Unit: mm

Waterproof Series Dimension Drawing



Unit mm