

# AE Series

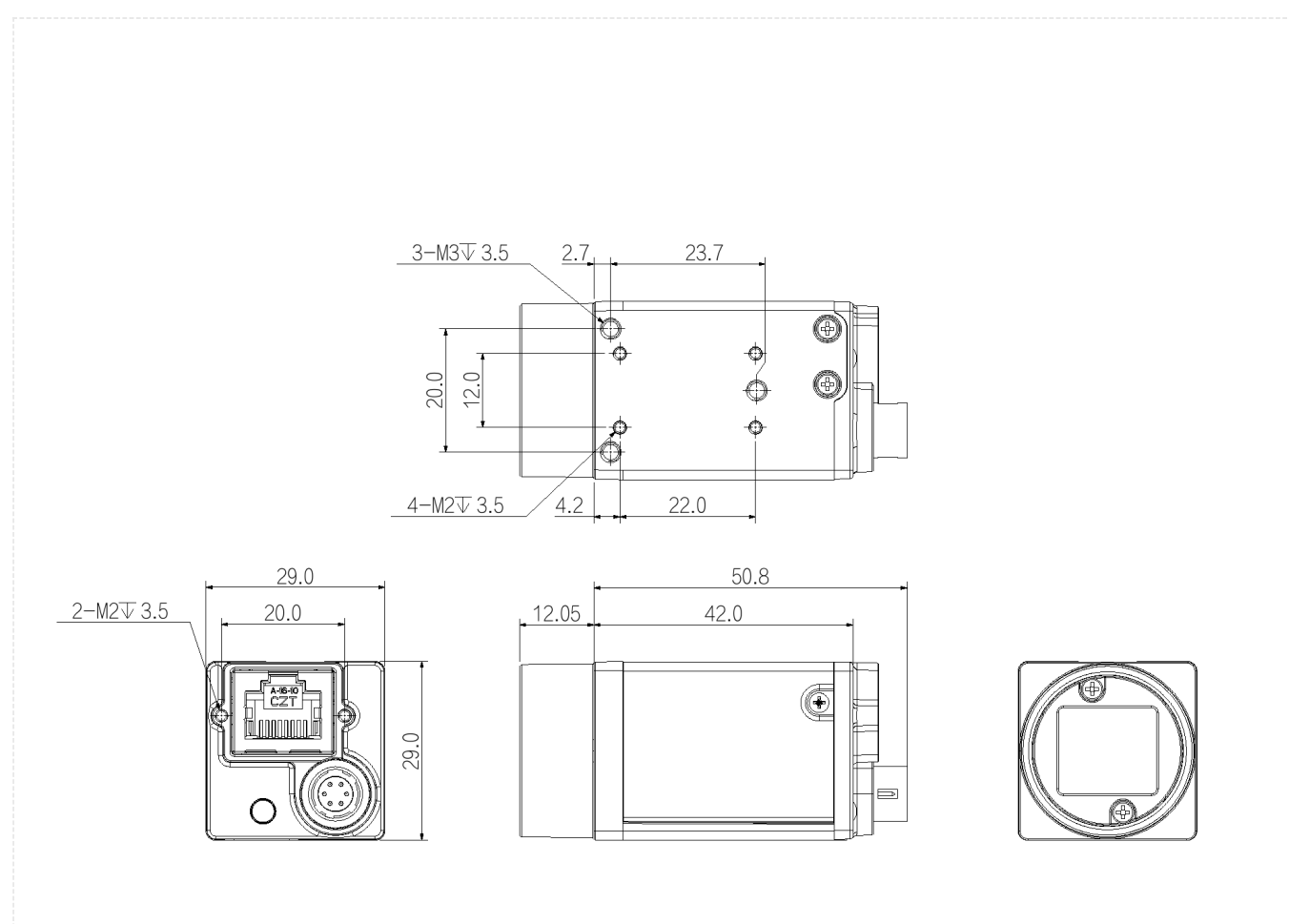
## AE3600MG000E



### Features

- Gigabit Ethernet interface, providing 1Gbps bandwidth with a maximum transmission distance of 100m;
- 128MB on-board cache for data transmission or image resend;
- Support Software Trigger/Hardware Trigger/Free Run Mode;
- Support ISP functions including Gamma/LUT/BlackLevel Correction/TargetBrightness/Contrast etc.;
- Support multiple image data formats output/ROI/Binning/Mirror/ AutoFunction etc.;
- Conform to GigE Vision V2.0 protocol and GenICam standard;
- Conform to CE, RoHS;

### Dimensions (mm)



Specification

|             |                       |                                                                                                                           |
|-------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Model       |                       | AE3600MG000E                                                                                                              |
| Basic       | Sensor                | IMX178                                                                                                                    |
|             | Image Sensor          | 1/1.7"CMOS                                                                                                                |
|             | Shutter               | Rolling/GlobalResetRealease                                                                                               |
|             | Resolution            | 3072 × 2048                                                                                                               |
|             | Frame Rate            | 19.2 fps                                                                                                                  |
|             | Bit Depth             | 12                                                                                                                        |
|             | Mono/Color            | Mono                                                                                                                      |
|             | Pixel Size            | 2.4 μm × 2.4 μm                                                                                                           |
| Image       | Pixel                 | 6.0 MP                                                                                                                    |
|             | S/N Ratio             | 40 dB                                                                                                                     |
|             | Dynamic Range         | 73 dB                                                                                                                     |
|             | Image Format          | Mono8/10/10Packed/Mono12/Mono12Packed                                                                                     |
|             | Binning               | off/onebytwo/twobyone/twobytwo/onebyfour/fourbyone/twobyfour/fourbytwo/fourbyfour/ThreebyThree/onebySix/SixbyOne/SixbySix |
|             | ROI                   | Support                                                                                                                   |
|             | X Flip                | Support                                                                                                                   |
|             | Y Flip                | Support                                                                                                                   |
|             | Gain                  | 1 ~ 32X                                                                                                                   |
|             | Gamma                 | From 0 to 3.99998, support LUT                                                                                            |
|             | Exposure Time         | 25.5 μs ~ 2.5 s                                                                                                           |
|             | Trigger Mode          | Software Trigger/Hardware Trigger/Free Run Mode                                                                           |
|             | SPC                   | Support                                                                                                                   |
| Performance | User Setting          | Support three sets of user-defined configurations                                                                         |
|             | Image Buffer          | 128MB                                                                                                                     |
| Port        | Port                  | GigE, PoE                                                                                                                 |
|             | GPIO Interface        | 1× 6 pin Hirose: 1× Opto-isolated input, 1× Opto-isolated output, 1 configurable input and output                         |
|             | Lens Mount            | C-mount                                                                                                                   |
| Power       | Power Supply          | PoE/ DC 9V~24V power supply via Hirose interface                                                                          |
|             | Power Consumption     | 12 V≈2.5W                                                                                                                 |
| Structure   | Product Dimensions    | 29 mm×29 mm×42 mm (not including lens mount and rear case connector)                                                      |
|             | Net Weight            | 98 g                                                                                                                      |
| Environment | Storage Temperature   | -30°C~+80°C                                                                                                               |
|             | Operating Temperature | 0°C~+50°C                                                                                                                 |

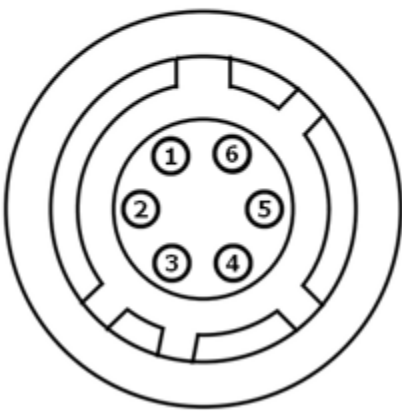


Connector Pin-out

Definitions of camera 6-pin ports:

| Pin | Description | Features                                                            |
|-----|-------------|---------------------------------------------------------------------|
| 1   | -           | +9VDC to 24VDC power supply                                         |
| 2   | Line1       | Opto-isolated input                                                 |
| 3   | Line2       | GPIO (I/O can be configured for non-isolated software) <sup>1</sup> |
| 4   | Lineo       | Opto-isolated output                                                |
| 5   | -           | Opto-isolated signal ground (ISO_GND)                               |
| 6   | -           | Camera DC power ground and GPIO signal ground (GND)                 |

Definition of 6-pin power port



Spectrogram

