# AE Series

## AE5208CG000E



## / 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/Mirror/ AutoFunction/CCM/BalanceWhite etc.;
- Conform to GigE Vision V2.0 protocol and GenICam standard;
- Conform to CE, RoHS;

## / Dimensions (mm)
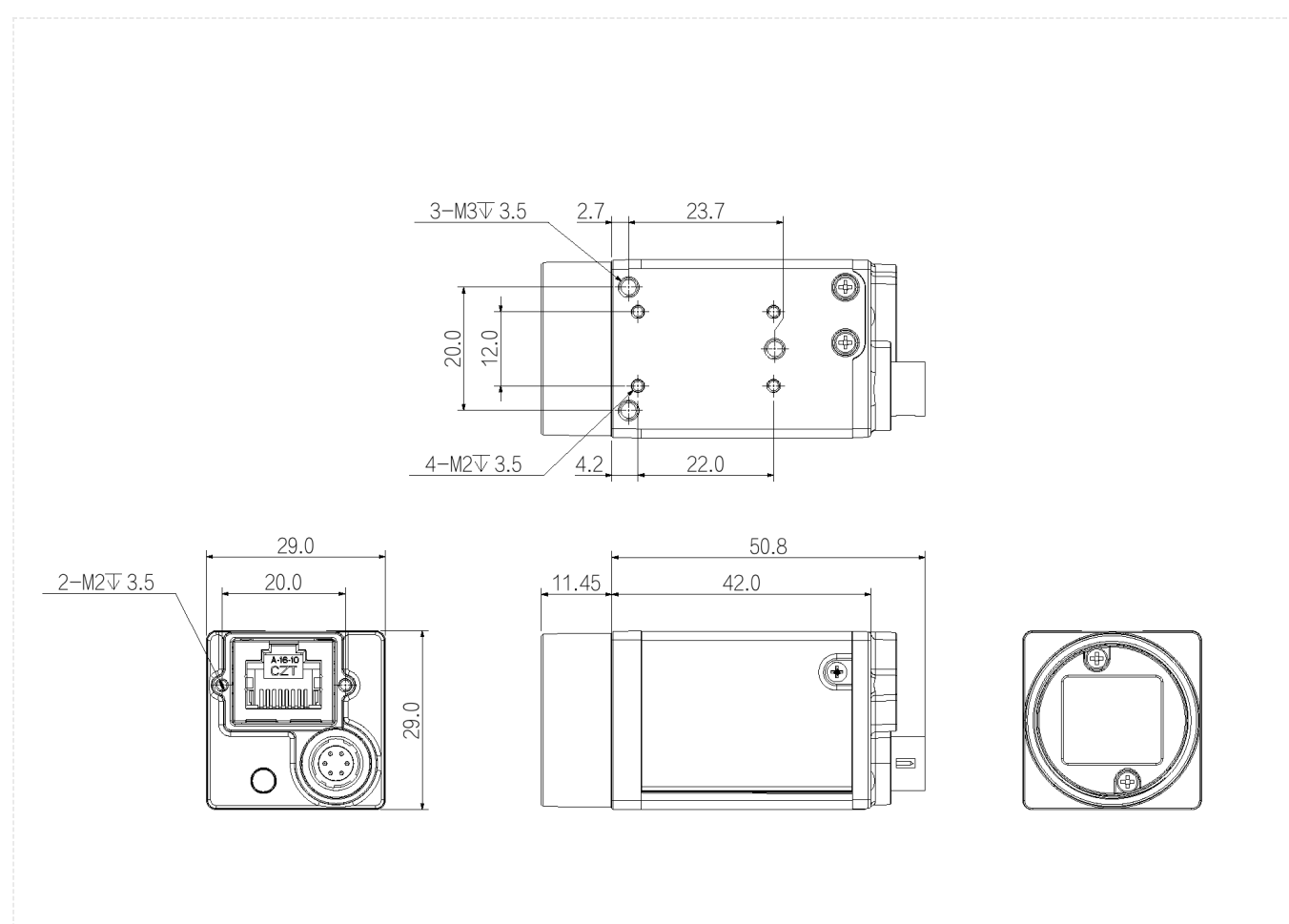
## Specification

| Model | | AE5208CG000E |
|---|---|---|
| **Basic** | Sensor | SS |
| | Image Sensor | 1/2.6" CMOS |
| | Shutter | Global |
| | Resolution | 1600 × 1200 |
| | Frame Rate | 62.9 fps |
| | Bit Depth | 12 |
| | Mono/Color | Color |
| | Pixel Size | 3.45 μm ×3.45 μm |
| **Image** | Pixel | 2 MP |
| | S/N Ratio | 37.5 dB |
| | Dynamic Range | 61.5 dB |
| | Image Format | BayerRG8/BayerRG10/BayerRG10Packed/BayerRG12/BayerRG12Packed |
| | ROI | Support |
| | X Flip | Support |
| | Y Flip | Support |
| | Gain | 1～32X |
| | White Balance | Support |
| | Gamma | From 0 to 3.99998, support LUT |
| | Exposure Time | 25 μs～10 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≈2.2W |
| **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℃~+80℃ |
| | Operating Temperature | 0℃~+50℃ |

# 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)[1] |
| 4 | Line0 | 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