

# Large Area Scan Series

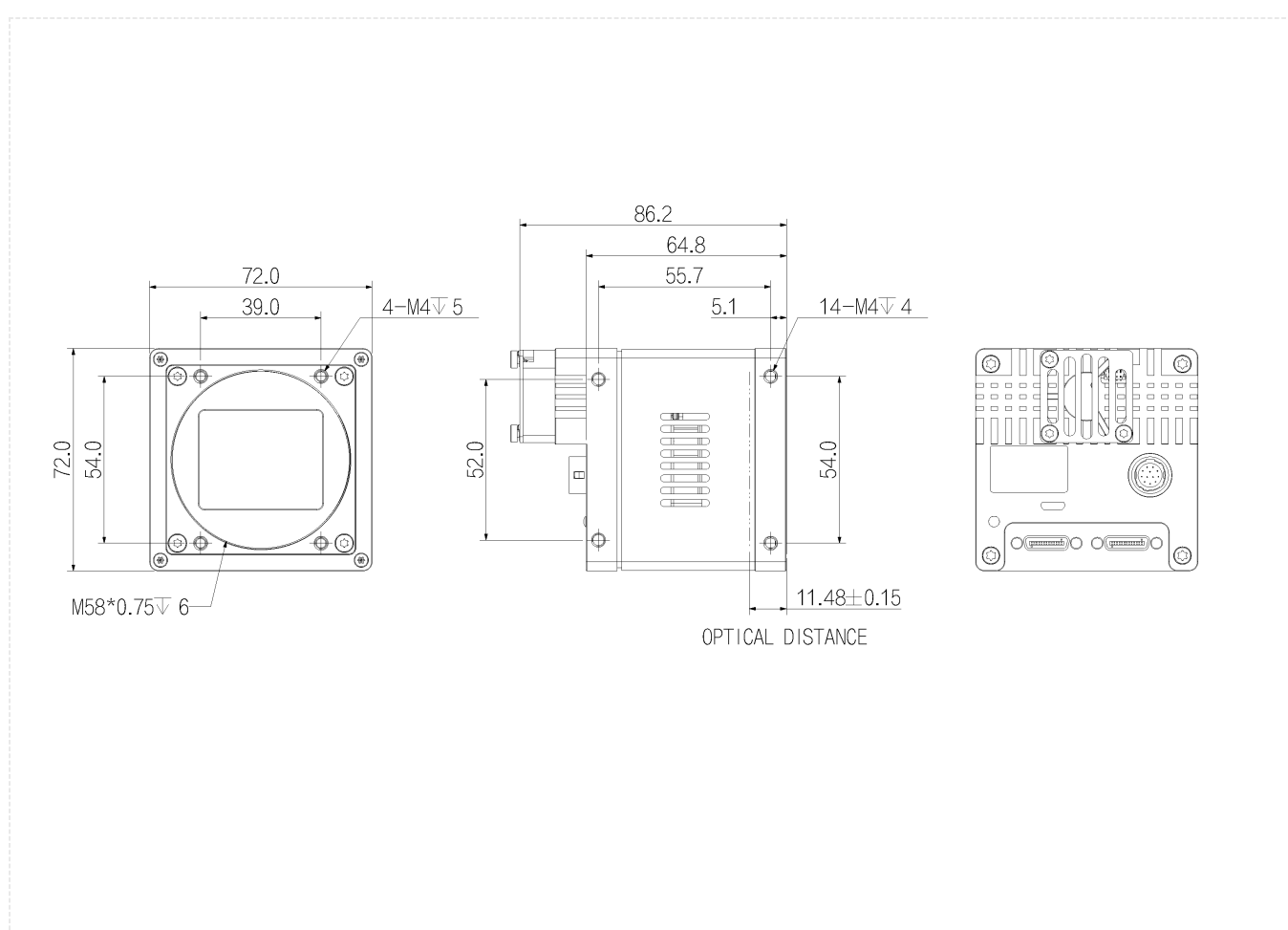
## AX5F57CK250E



### Features

- A patented flatness mediation scheme to eliminate area defocusing;
- Excellent heat dissipation design, precise temperature control and constant, temperature maintenance;
- Support Software Trigger/Hardware Trigger/Free Run Mode, support to use CameraLink acquisition card to trigger the camera;
- Support custom ROI, vertical mirror;
- With 10TAP outputs, the frame rate of up to 12.5fps at 85M clock for 65MP and 17.5fps at 85M clock for 50MP;
- Support automatic exposure, Gamma, LUT, and other ISP function;
- Color camera support automatic white balance ;
- Support for FFC function to provide more uniform picture quality;
- Support fan speed adaptive function for setting the target temperature of the sensor;
- Conform to CameraLink protocol and GenICam standard;

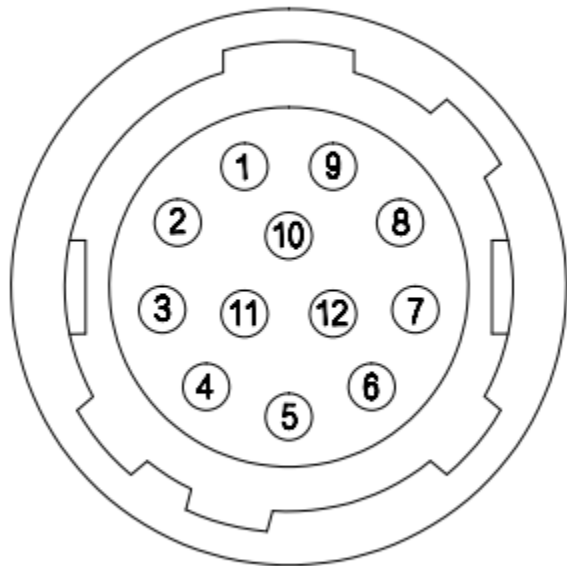
### Dimensions (mm)



Specification

|             |                       |                                                           |
|-------------|-----------------------|-----------------------------------------------------------|
| Model       |                       | AX5F57CK250E                                              |
| Basic       | Sensor                | GMAX3265                                                  |
|             | Image Sensor          | 29.9 mm × 22.4 mm CMOS                                    |
|             | Shutter               | Global                                                    |
|             | Resolution            | 9280 × 6992                                               |
|             | Frame Rate            | 12.5 fps                                                  |
|             | Bit Depth             | 12                                                        |
|             | Mono/Color            | Color                                                     |
|             | Pixel Size            | 3.2 μm × 3.2 μm                                           |
| Image       | Pixel                 | 65MP                                                      |
|             | S/N Ratio             | 40dB                                                      |
|             | WDR                   | 66dB                                                      |
|             | Image Format          | BayerGB8\BayerGB10                                        |
|             | ROI                   | Support                                                   |
|             | Y Flip                | Support                                                   |
|             | Gain                  | 1~32                                                      |
|             | White Balance         | Support                                                   |
|             | Gamma                 | The range of 0 ~ 4,support LUT                            |
|             | Exposure Time         | 16μS~15S                                                  |
|             | Trigger Mode          | Software Trigger/Hardware Trigger/Free Run Mode           |
|             | SPC                   | Support                                                   |
| Performance | User Setting          | Support two sets of user-defined configurations           |
|             | Image Buffer          | 512MB data storage                                        |
| Port        | Port                  | CameraLink                                                |
|             | GPIO Interface        | 3x Opto-isolated input, 3x Opto-isolated output, 1x RS232 |
|             | Lens Mount            | M58 x 0.75                                                |
| Power       | Power Supply          | DC 24V power supply via 12 Hirose interface               |
|             | Power Consumption     | 24V≈6.83W                                                 |
| Structure   | Product Dimensions    | 72mm*72mm*65mm(Not including rear case connector)         |
|             | Net Weight            | 490 g                                                     |
| Environment | Storage Temperature   | - 30℃~+80℃                                                |
|             | Operating Temperature | - 30℃~+50℃                                                |

Connector Pin-out



| Pin | Signal      | Description              |
|-----|-------------|--------------------------|
| 1   | GND         | Power and signal GND     |
| 2   | Power       | Power supply             |
| 3   | RXD RS232   | Serial receive           |
| 4   | TXD RS232   | Serial send              |
| 5   | Line3       | Opto-isolated input      |
| 6   | Line4       | Opto-isolated input      |
| 7   | Line5       | Opto-isolated input      |
| 8   | OPT_IN_GND  | Opto-isolated input GND  |
| 9   | Line0       | Opto-isolated output     |
| 10  | Line1       | Opto-isolated output     |
| 11  | Line2       | Opto-isolated output     |
| 12  | OPT_OUT_GND | Opto-isolated output GND |

Spectrogram

