

# Large Area Scan Series

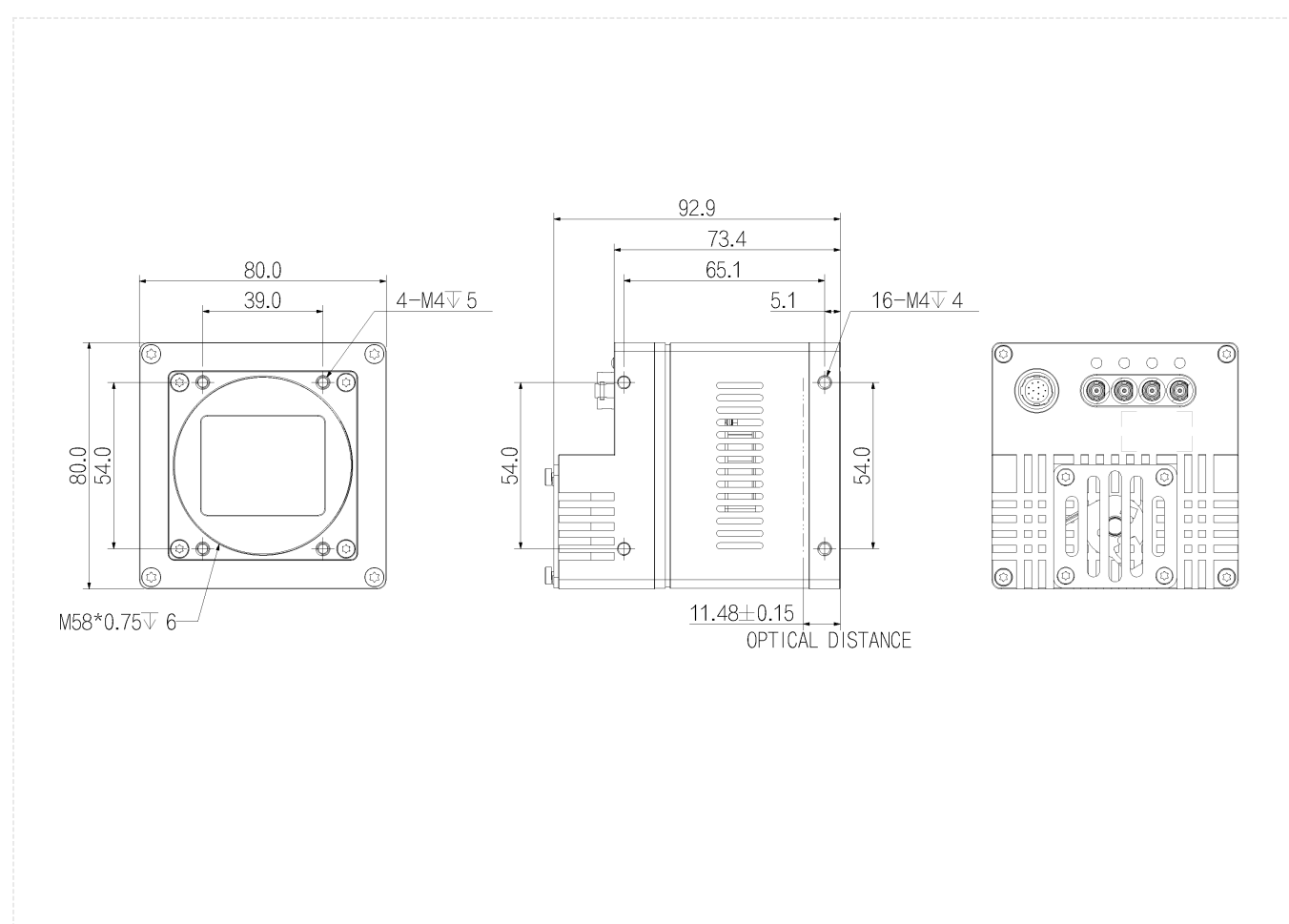
## AX5F57MP050E



### Features

- CXP-12 interface, 4 x 12.5Gbps theoretical transfer bandwidth;
- Support hardware trigger/free run mode;
- Support pixel-by-pixel FFC function;
- Support multiple image data formats output, ROI and etc. ;
- Support PoCXP and DC 24V power supply;
- Conforms to CoaXPress protocol and GenICam standard;
- Conform to CE, FCC, KC and RoHS;

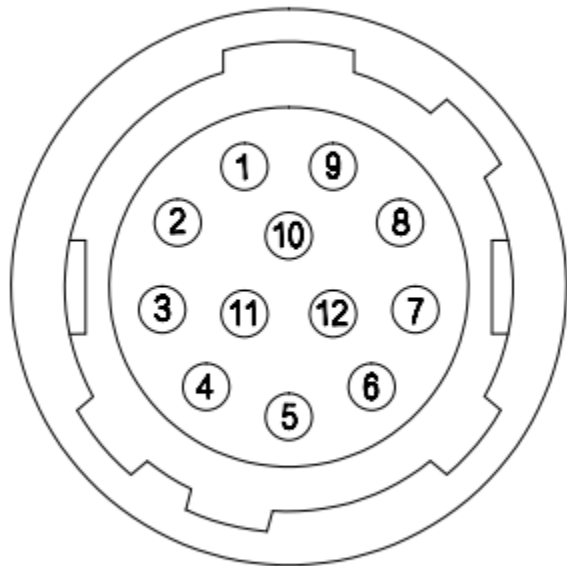
### Dimensions (mm)



Specification

|             |                       |                                                             |
|-------------|-----------------------|-------------------------------------------------------------|
| Model       |                       | AX5F57MP050E                                                |
| Basic       | Sensor                | GMAX3265                                                    |
|             | Image Sensor          | 29.9 mm × 22.4 mm CMOS                                      |
|             | Shutter               | Global                                                      |
|             | Resolution            | 9344 × 7000                                                 |
|             | Frame Rate            | 71 fps                                                      |
|             | Bit Depth             | 10 bit                                                      |
|             | Mono/Color            | Mono                                                        |
|             | Pixel Size            | 3.2 μm × 3.2 μm                                             |
| Image       | Pixel                 | 65 MP                                                       |
|             | S/N Ratio             | 40 dB                                                       |
|             | WDR                   | 66 dB                                                       |
|             | Image Format          | Mono8/10/12                                                 |
|             | ROI                   | Support                                                     |
|             | X Flip                | Support                                                     |
|             | Y Flip                | Support                                                     |
|             | Gain                  | Analog gain: 1x ~ 4.8x, Digital gain: 1x ~ 100x             |
|             | Exposure Time         | 27 μs ~ 5 s                                                 |
|             | Trigger Mode          | Software Trigger/Hardware Trigger/Free Run Mode             |
|             | SPC                   | Support                                                     |
| Performance | User Setting          | Support two sets of user-defined configurations             |
| Port        | Port                  | CXP-12                                                      |
|             | 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 , support PoCXP |
|             | Power Consumption     | 24 V ≈ 24 W                                                 |
| Structure   | Product Dimensions    | 80 mm x 80 mm x 73.4 mm (Non including rear case connector) |
|             | Net Weight            | 790 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

