

# Large Area Scan Series

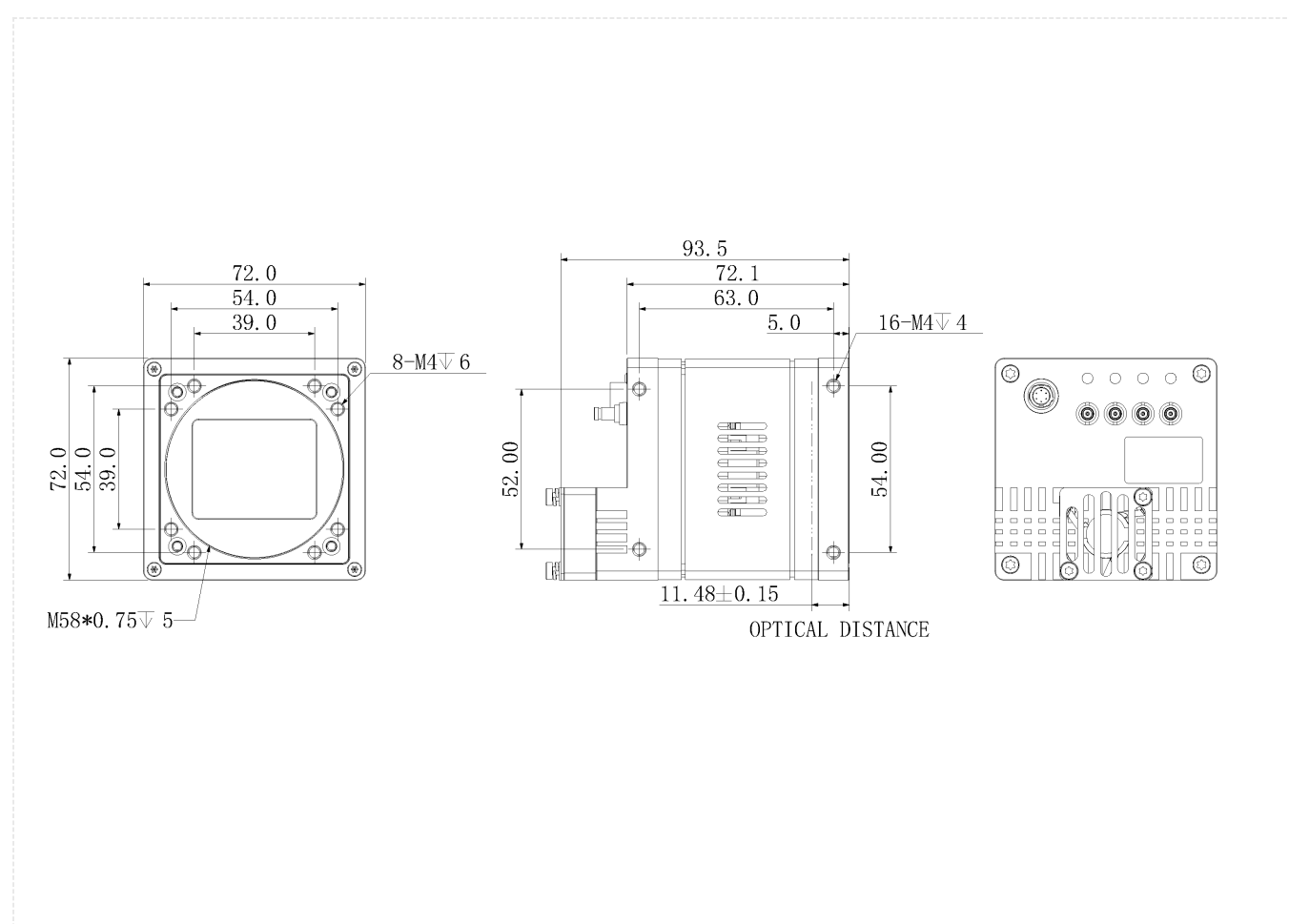
## AX5A22MX050E



### Features

- CXP-6 interface, 4 x 6.25Gbps 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;

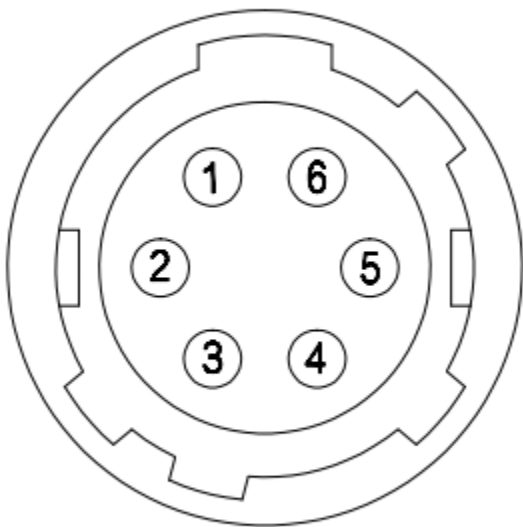
### Dimensions (mm)



 Specification

|             |                       |                                                   |
|-------------|-----------------------|---------------------------------------------------|
| Model       |                       | AX5A22MX050E                                      |
| Basic       | Sensor                | CMV12000                                          |
|             | Image Sensor          | 22.5 mm × 16.9 mm CMOS                            |
|             | Shutter               | Global                                            |
|             | Resolution            | 4096 × 3072                                       |
|             | Frame Rate            | 188 fps                                           |
|             | Bit Depth             | 10 bit                                            |
|             | Mono/Color            | Mono                                              |
|             | Pixel Size            | 5.5 μm × 5.5 μm                                   |
| Image       | Pixel                 | 12MP                                              |
|             | S/N Ratio             | 41.3dB                                            |
|             | WDR                   | 60dB                                              |
|             | Image Format          | Mono8/Mono10/Mono12                               |
|             | ROI                   | Support                                           |
|             | X Flip                | Support                                           |
|             | Y Flip                | Support                                           |
|             | Gain                  | 1~100                                             |
|             | Exposure Time         | 50μS~5S                                           |
|             | Trigger Mode          | Software Trigger/Hardware Trigger/Free Run Mode   |
|             | SPC                   | Support                                           |
| Performance | User Setting          | Support two sets of user-defined configurations   |
|             | Image Buffer          | 2GB data cache                                    |
| Port        | Port                  | CXP-6                                             |
|             | GPIO Interface        | 3x configurable input and output                  |
|             | Lens Mount            | M58 x 0.75                                        |
| Power       | Power Supply          | DC24V power supply via 6-pin Hirose interface     |
|             | Power Consumption     | 24V≈15W                                           |
| Structure   | Product Dimensions    | 72mm*72mm*72mm(not including rear case connector) |
|             | Net Weight            | 720 g                                             |
| Environment | Storage Temperature   | - 30℃~+80℃                                        |
|             | Operating Temperature | - 30℃~+50℃                                        |

Connector Pin-out



| Pin | Signal     | Description                                  |
|-----|------------|----------------------------------------------|
| 1   | Power      | Power supply                                 |
| 2   | Line0      | Dual-direction configurable non-isolated I/O |
| 3   | Line1      | Dual-direction configurable non-isolated I/O |
| 4   | Line2      | Dual-direction configurable non-isolated I/O |
| 5   | Signal_GND | Signal GND                                   |
| 6   | GND        | Power GND                                    |

Spectrogram

