

# Large Area Scan Series

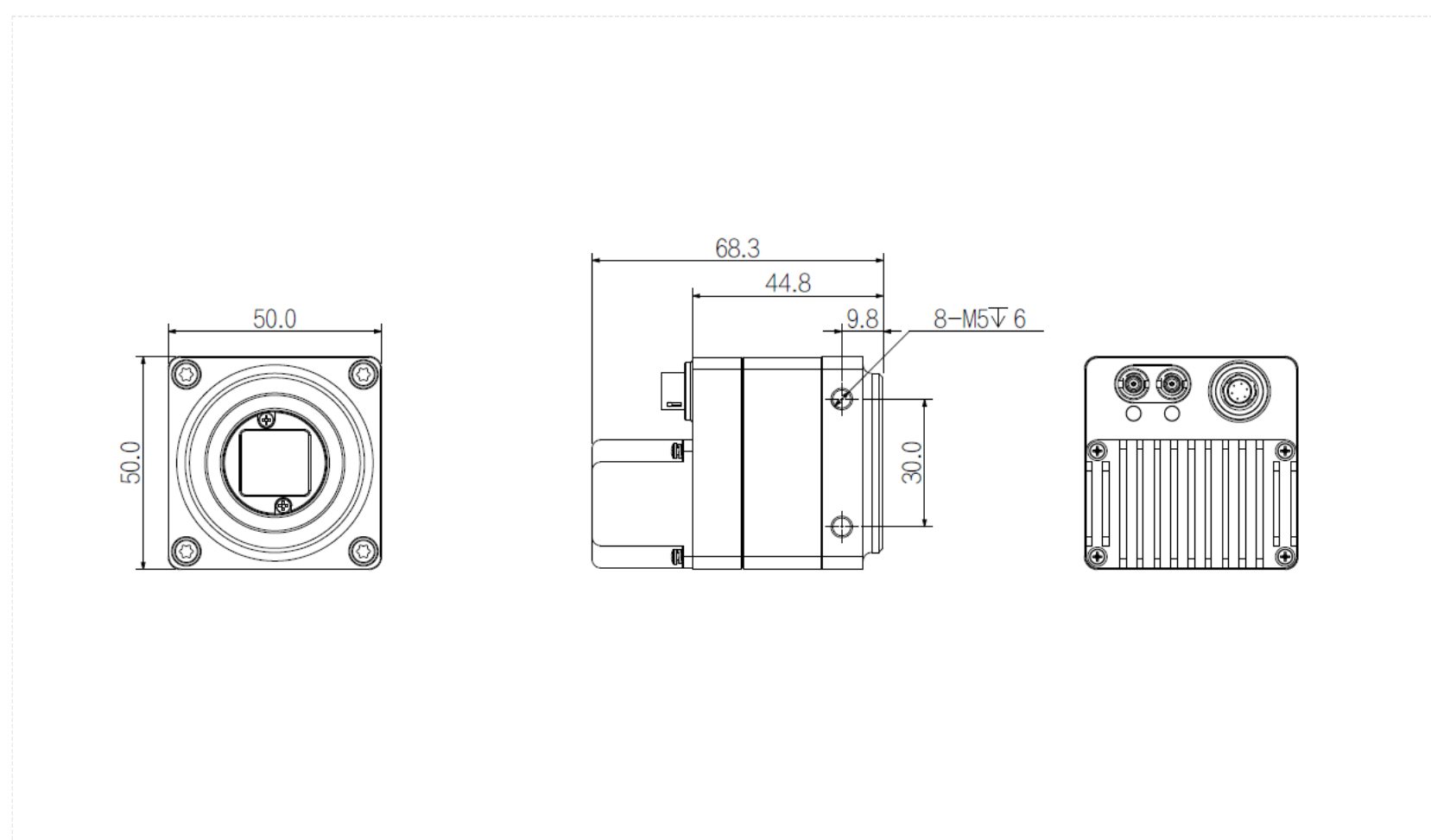
## A9A27MX703E



### Features

- CXP-6 interface, 2 x 6.25Gbps theoretical transfer bandwidth;
- Support hardware trigger/free run mode;
- Support FFC (block) 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;

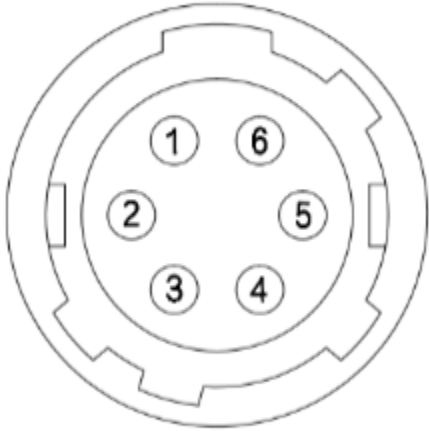
### Dimensions (mm)



Specification

|             |                       |   |
|-------------|-----------------------|---|
| Model       |                       | A9A27MX703E   |
| Basic       | Sensor                | Customized  |
|             | Image Sensor          | 11.27 mm × 10.24 mm CMOS  |
|             | Shutter               | Global  |
|             | Resolution            | 4096 × 3072   |
|             | Frame Rate            | 85 fps  |
|             | Bit Depth             | 12 bit  |
|             | Mono/Color            | Mono  |
|             | Pixel Size            | 2.5 μm × 2.5 μm   |
| Image       | Pixel                 | 12 MP   |
|             | S/N Ratio             | 37.7 dB   |
|             | Dynamic Range         | 66.9 dB   |
|             | Image Format          | Mono8/10/12   |
|             | ROI                   | Support   |
|             | X Flip                | Support   |
|             | Y Flip                | Support   |
|             | Gain                  | Analog Gain: 1× ~ 2× , Digital Gain: 1× ~ 100×                                    |
|             | Exposure Time         | 8 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-6   |
|             | GPIO Interface        | 1× Opto-isolated input, 1× Opto-isolated output, 1× configurable input and output |
|             | Lens Mount            | C-mount   |
| Power       | Power Supply          | DC 24V power supply via 6 Hirose interface, support PoCXP                         |
|             | Power Consumption     | 24V ≈ 7.8W  |
| Structure   | Product Dimensions    | 50 mm × 50 mm × 44.8 mm (Non including rear case connector)                       |
|             | Net Weight            | 240 g   |
| Environment | Storage Temperature   | -30℃ ~ 80℃  |
|             | Operating Temperature | -30℃ ~ 40℃  |

Connector Pin-out



| Pin | Description | Features  |
|-----|-------------|---|
| 1   | -           | +10VDC to 24VDC power supply                          |
| 2   | LINE1       | Opto-isolated input                                   |
| 3   | LINE2       | GPIO(I/O can be configured for non-isolated software) |
| 4   | LINE0       | Opto-isolated output                                  |
| 5   | -           | Opto-isolated signal ground(ISO_GND)                  |
| 6   | -           | Camera DC power ground and GPIO signal ground(GND)    |

Spectrogram

