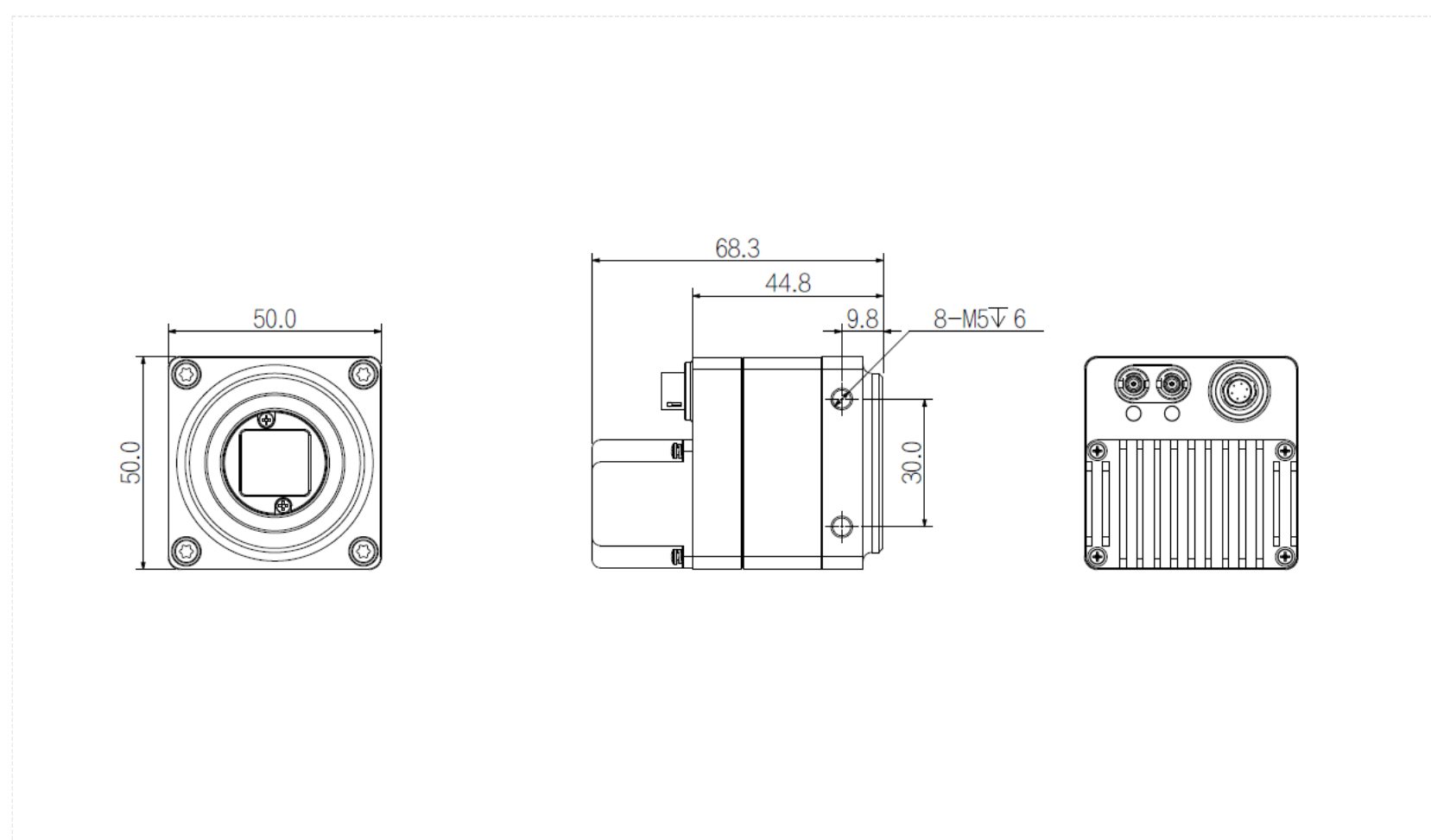# Large Area Scan Series

A9A87MX703E

✎ 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;
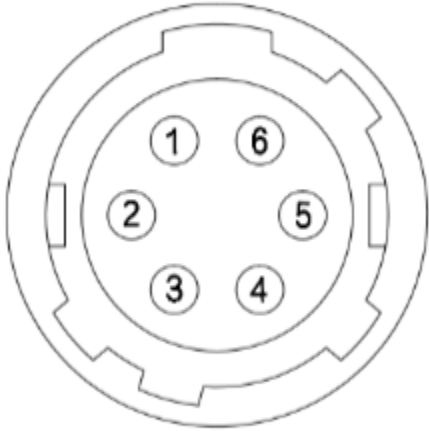- Conform to CE, FCC, KC and RoHS;

✎ Dimensions (mm)

Specification

Model	A9A87MX703E
Basic Sensor	GMAX2518
Image Sensor	11.27 mm × 10.24 mm CMOS
Shutter	Global
Resolution	4496 × 4096
Frame Rate	64 fps
Bit Depth	12 bit
Mono/Color	Mono
Pixel Size	2.5 μm × 2.5 μm
Image Pixel	18 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 ≈ 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