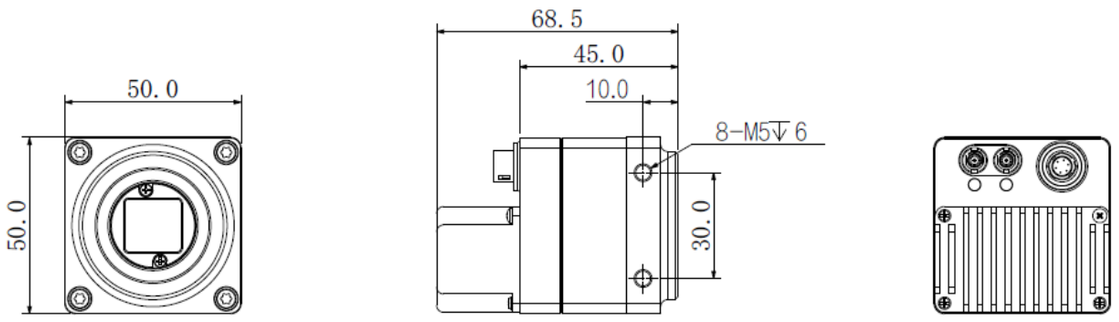
Large Area Scan Series

A9B57MX701E

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

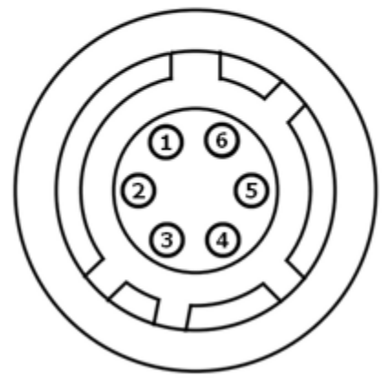
Model		A9B57MX701E
Basic	Sensor	GMAX0505
	Image Sensor	1.1" CMOS
	Shutter	Global
	Resolution	5120 × 5120
	Frame Rate	42 fps
	Bit Depth	12 bit
	Mono/Color	Mono
	Pixel Size	2.5 μm × 2.5 μm
Image	Pixel	25 MP
	S/N Ratio	36 dB
	WDR	63 dB
	Image Format	Mono8/10/12
	ROI	Support
	X Flip	Support
	Y Flip	Support
	Gain	Analog gain: 0.4x ~ 6.6x, Digital gain: 1x ~ 100x
	Exposure Time	25 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	1x Opto-isolated input, 1x Opto-isolated output, 1x configurable input and output
	Lens Mount	C-mount
Power	Power Supply	DC 24V power supply via 6 Hirose interface，support PoCXP
	Power Consumption	24 V ≈ 8 W
Structure	Product Dimensions	50 mm x 50 mm x 45 mm (Non including rear case connector)
	Weight	240 g
Environment	Working Environment	Storage：-30℃ ~ 80℃；Opeartion：-30℃ ~ 40℃

Connector Pin-out

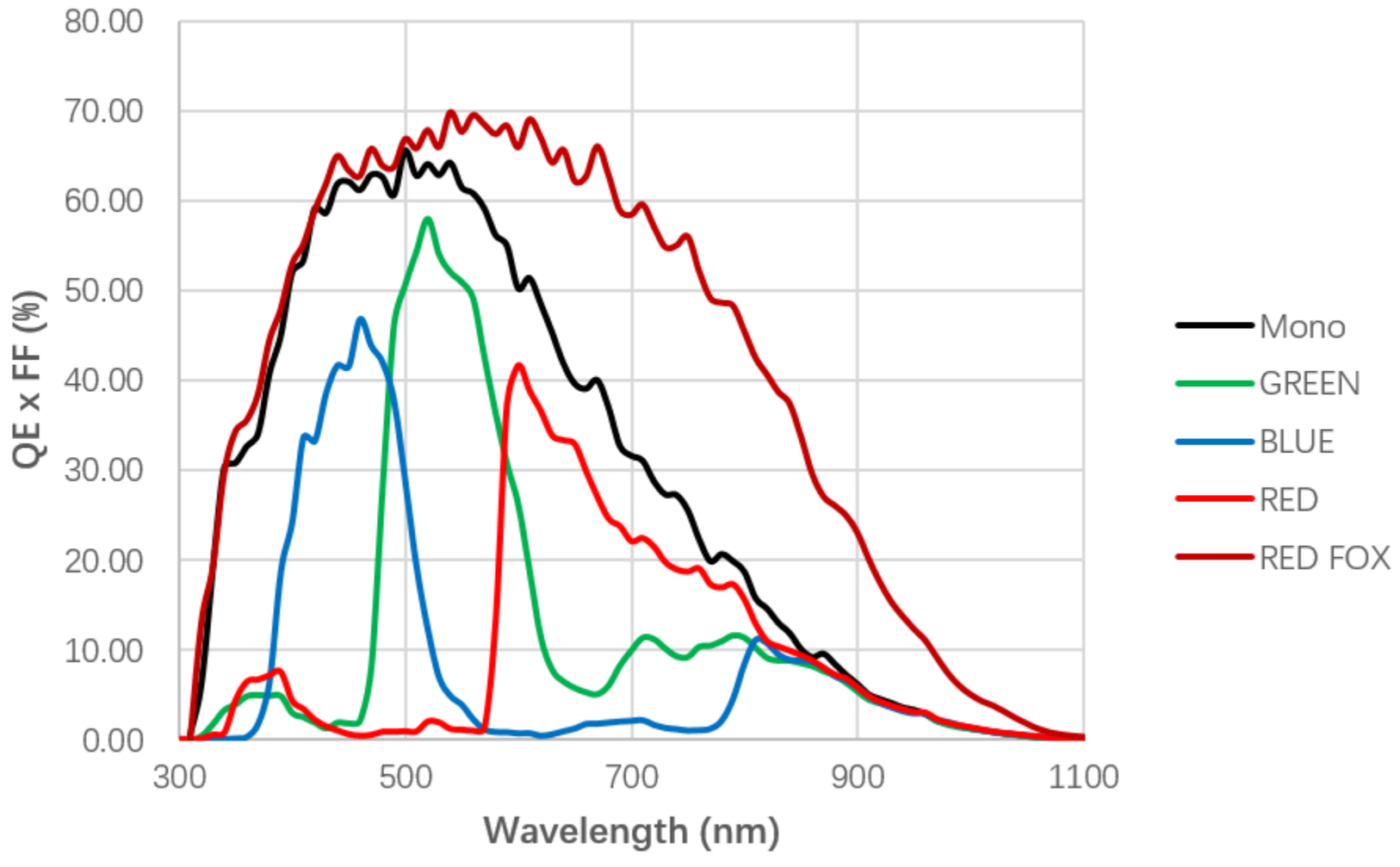
Definitions of camera 6-pin ports:

Pin	Description	Features
1	-	+9VDC to 24VDC power supply
2	Line1	Opto-isolated input
3	Line2	GPIO (I/O can be configured for non-isolated software)[1]
4	Lineo	Opto-isolated output
5	-	Opto-isolated signal ground (ISO_GND)
6	-	Camera DC power ground and GPIO signal ground (GND)

Definition of 6-pin power port



Spectrogram



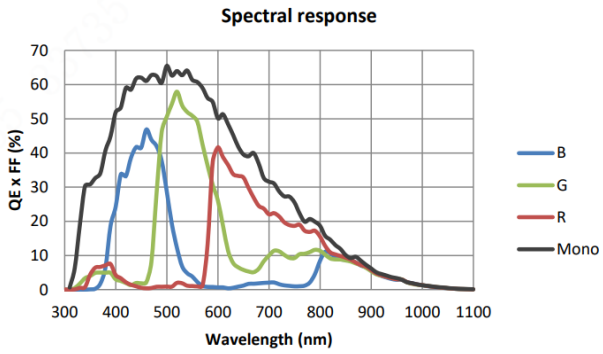
9MP CXP-6(2CH) Area Scan Camera

A9907MX701E

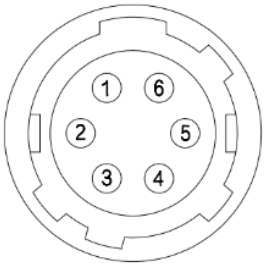
Product Features

- 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;

Spectrogram



Pin definition



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)

Technical Specifications

Model Name	A9907MX701E
Sensor	GMAX2509
Sensor Size	2/3"
Sensor Type	CMOS
Shutter	Global
Resolution	4200 x 2160
Frame Rate	120fps（2-ch），60fps(1-ch)
Bit Depth	12bit
Mono/Color	Mono
Pixel Size	2.5μm x 2.5μm
Pixel	9MP
S/N Ratio	> 36.9dB
WDR	> 65.5dB
Image Format	Mono8/10/12
ROI	Support
X Reverse	Support
Y Reverse	Support
Gain	Analog gain: 0.4x ~ 6.6x; Digital gain: 1x ~100x
Exposure Time	5μS~5S
Sync Mode	Software Trigger/Hardware Trigger/Free Run Mode
SPC	Support
User Setting	Support two sets of user-defined configurations
Port	CXP-6
GPIO	1x Opto-isolated input, 1x Opto-isolated output, 1x configurable input and output
Lens Mount	C-mount
Power Supply	DC 10V~24V power supply via 6 Hirose interface，support PoCXP
Power Dissipation	24 V ≈ 7.3 W
Product Dimensions	50 mm x 50 mm x 45 mm (Non including rear case connector)
Weight	About 240g
Working Environment	Storage：- 30℃~+80℃；Operation：- 30℃~+40℃

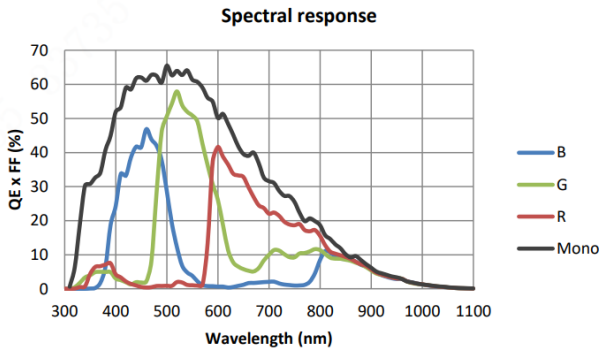
5MP CXP-6(2CH) Area Scan Camera

A9507MX701E

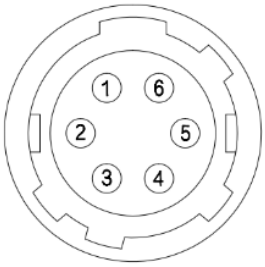
Product Features

- 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;

Spectrogram



Pin definition



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)

iRAYPLE

Technical Specifications

Model Name	A9507MX701E
Sensor	CMAX2505
Sensor Size	1/2"
Sensor Type	CMOS
Shutter	Global
Resolution	2600 x 2160
Frame Rate	206fps（2-ch），103fps(1-ch)
Bit Depth	10bit
Mono/Color	Mono
Pixel Size	2.5μm x 2.5μm
Pixel	5MP
S/N Ratio	> 33.9dB
WDR	> 62dB
Image Format	Mono8/10
ROI	Support
X Reverse	Support
Y Reverse	Support
Gain	Analog gain: 0.4x ~ 6.6x; Digital gain: 1x ~100x
Exposure Time	5μS~5S
Sync Mode	Software Trigger/Hardware Trigger/Free Run Mode
SPC	Support
User Setting	Support two sets of user-defined configurations
Port	CXP-6
GPIO	1x Opto-isolated input, 1x Opto-isolated output, 1x configurable input and output
Lens Mount	C-mount
Power Supply	DC 10V~24V power supply via 6 Hirose interface，support PoCXP
Power Dissipation	24 V ≈ 7 W
Product Dimensions	50 mm x 50 mm x 45 mm (Non including rear case connector)
Weight	About 240g
Working Environment	Storage：- 30℃~+80℃；Operation：- 30℃~+40℃