



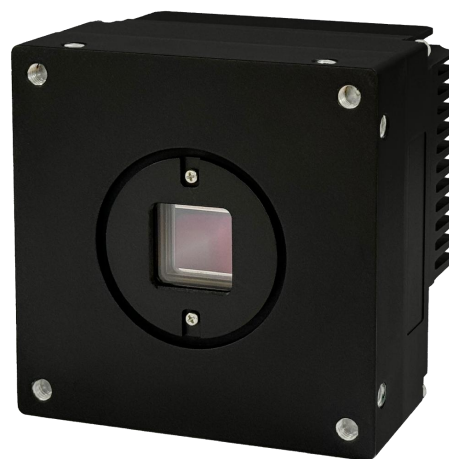
TAURUS

High Speed Area Scan Camera

TS25MCXP10-146M/C

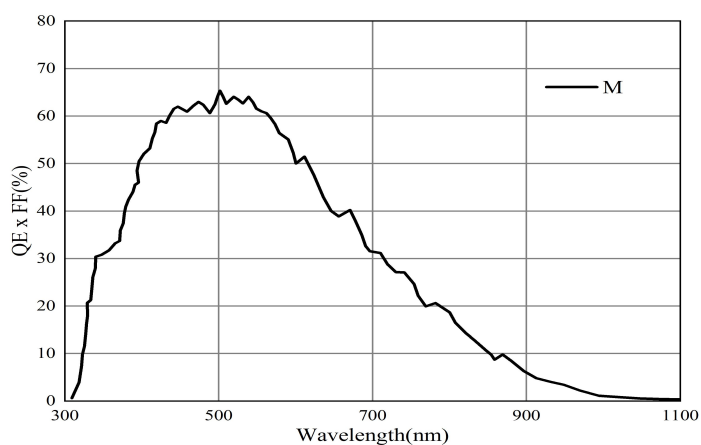
Features

- ◎ Global Shutter CMOS
- ◎ 5120 * 5120 pixels, 2.5 μ m * 2.5 μ m
- ◎ Frame rate up to 146fps
- ◎ High sensitivity and low noise
- ◎ 8/10 bit output
- ◎ CoaXPress interface
- ◎ Defect Pixel Correction / Flat Field Correction
- ◎ Analog Gain / Digital Gain / Offset Control
- ◎ ROI
- ◎ Temperature monitor



Applications

- ◎ PCB AOI inspection
- ◎ Semiconductor inspection
- ◎ Solar cell inspection
- ◎ Life science



Spectral response

Specifications

Model	TS25MCXP10-146M/C
Sensor	Global Shutter CMOS
Image Mode	Mono/Color
Optical Size	18.10 mm
Resolution	5120 * 5120
Pixel Size	2.5μm * 2.5μm
Max Frame Rate	Two channels:66.38fps@8bit, 54.44fps@10bit Four channels:146.84fps@8bit, 118.18fps@10bit
Bit Depth	8/10 bit
Dynamic Range	≥56.2 dB
Data Rate	3872MB/s
Trigger Mode	Free run / External trigger
Trigger Source	External IO / CXP Trigger
Exposure Control	Program / Pulse Width
Exposure Time	3μs - 10s(step:1μs)
Analog Gain	1/1.5/2/2.5x
Digital Gain	0.1-8.0x
Lens Interface	M42/M58/C Mount
Data Interface	CoaXPress10
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12-24V(±10%) 1.5A or PoCXP supply
Power Consumption	11.7W (DC supply) or 11.8W (PoCXP supply)
Dimensions	80.0mm(W) x 80.0mm(H) x 57.6mm(D)
Operating Temperature	0-55℃
Storage Temperature	-20-75℃

Mechanical Dimensions(mm)

