



TAURUS

High Speed Area Scan Camera

TS25MCXP-85M

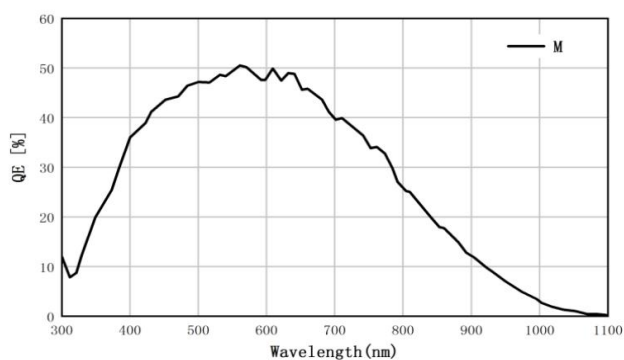
Features

- ◎ Global Shutter CMOS
- ◎ 5120 * 5120 pixels, 4.5 μ m * 4.5 μ m
- ◎ Frame rate up to 85fps
- ◎ High sensitivity and low noise
- ◎ 8/10 bit output
- ◎ ROI
- ◎ Rich exposure control modes (external trigger, free-run)
- ◎ Minimum exposure time: 2 μ s, exposure time step: 1 μ s
- ◎ Defect Pixel Correction / FFC
- ◎ Analog Gain / Digital Gain / Offset Control
- ◎ Support CoaXPress 1.1.1
- ◎ Temperature monitor



Applications

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



Spectral response

Specifications

Model	TS25MCXP-85M
Sensor	NOIP1SN025KA
Image Mode	Mono
Optical Size	32.58 mm
Resolution	5120 * 5120
Pixel Size	4.5μm * 4.5μm
Max Frame Rate	85.099fps@8bit;70.225fps@10bit
Bit Depth	8/10 bit
Dynamic Range	≥55 dB
Data Rate	2300 MB/s
Trigger Mode	Free run / External trigger
Trigger Source	External IO / CXP Trigger
Exposure Control	Program / Pulse Width
Exposure Time	2μs-10s(Step:1μs)
Analog Gain	1/1.26/1.87/3.17x
Digital Gain	0.001-8.000x
Lens Interface	M58 / F Mount
Data Interface	CoaXPress
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12-24V 1.5A or PoCXP supply
Power Consumption	9.5W(DC supply) or 10.0W(PoCXP supply)
Dimensions	M58 interface: 75mm x 75mm x 52.3mm F interface: 75mm x 75mm x 87.3mm
Operating Temperature	0-50°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

