



TAURUS

High Speed Area Scan Camera

TS25MCXP12-150M/C

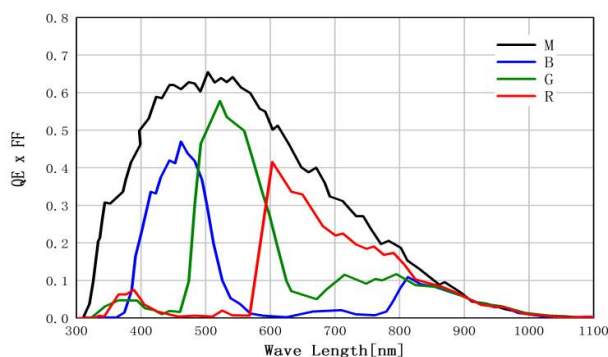
Features

- ◎ Global Shutter CMOS
- ◎ 5120 * 5120 pixels, 2.5μm * 2.5μm
- ◎ Frame rate up to 150fps
- ◎ High sensitivity and low noise
- ◎ 8/10 bit output
- ◎ ROI / Auto White Balance
- ◎ Rich exposure control modes (external trigger, free-run)
- ◎ Minimum exposure time: 3μs, exposure time step: 1μs
- ◎ Defect Pixel Correction / FFC
- ◎ Analog Gain / Digital Gain / Offset Control
- ◎ Support CoaXPress 2.0 Protocol
- ◎ Temperature monitor



Applications

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



Spectral response

Specifications

Model	TS25MCXP12-150M/C
Sensor	GMAX0505
Image Mode	Color / Mono
Optical Size	18.10 mm
Resolution	5120 * 5120
Pixel Size	2.5μm * 2.5μm
Max Frame Rate	Two-channel: 91.2fps@8bit; 73.8fps@10bit Four-channel: 150.1fps@8bit, 141.0fps@10bit
Bit Depth	8/10 bit
Dynamic Range	≥57.2 dB
Data Rate	4620MB/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	CoaXPress12
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12V±10% 2.0A
Power Consumption	15.4 W
Dimensions	80.0mm(W) x 80.0mm(H) x 88.0mm(D)
Operating Temperature	0-50°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

