



TEC-TAURUS

Large Area Scan Camera

TTS103MCXP10-24M/C

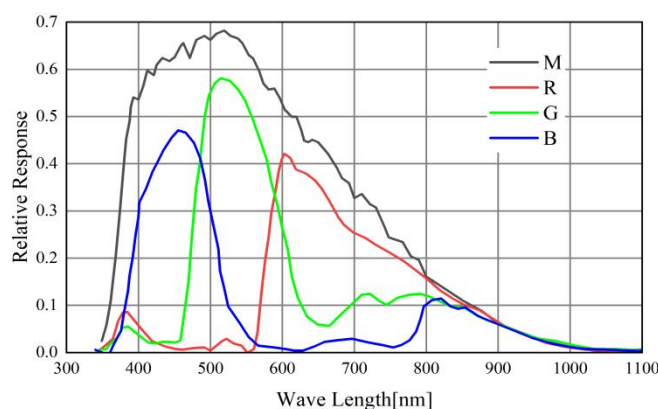
Features

- ◎ Global Shutter CMOS
- ◎ 11248 * 9200 pixels, 3.2 μ m * 3.2 μ m
- ◎ Frame rate up to 24.85fps
- ◎ 8/10/12 bit output
- ◎ High sensitivity and low noise
- ◎ ROI / Automatic White Balance
- ◎ Rich exposure control modes (external trigger, free-run)
- ◎ Defect Pixel Correction / FFC
- ◎ Analog Gain / Digital Gain / Offset Control
- ◎ Compatible with CoaXPress 2.0
- ◎ Temperature monitor
- ◎ Electronic refrigeration——20°C below environment temperature



Applications

- ◎ High precision machinery measurements
- ◎ Flat panel display inspection
- ◎ Semiconductor inspection
- ◎ Electronic inspection
- ◎ Astronomical observation
- ◎ Scientific experiment



Spectral response

Specifications

Model	TTS103MCXP10-24M/C
Sensor Type	Global Shutter CMOS
Image Mode	Color / Mono
Optical Size	46.50 mm
Resolution	11248*9200
Pixel Size	3.2μm * 3.2μm
Max Frame Rate	24.85fps@8/10bit ; 23.87fps@12bit
Bit Depth	8/10/12 bit
Dynamic Range	≥64.5dB
Data Rate	3700 MB/s
Trigger Mode	Free run / External trigger
Trigger Source	External IO / CXP Trigger
Exposure Control	Program / Pulse Width
Exposure Time	19μs-548s(Step:1μs)
Analog Gain	1/2/3.7X
Digital Gain	0.004-8.000x
Lens Interface	M72 * 0.75
Data Interface	CoaXPress10
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12-24V(±10%) 5A
Power Consumption	TEC On: 42.5W
Cooling Mode	Electronic refrigeration(20°C below environment temperature) / Fan refrigeration
Dimensions	111.0mm(W) x 111.0mm(H) x 89.27mm(D)(Without adapter)
Operating Temperature	0-55°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

