



TEC-TAURUS

High Speed Area Scan Camera

TTS65MCXP-31M/C

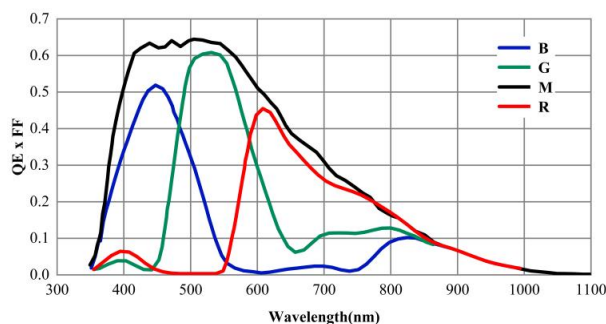
Features

- ◎ Global Shutter CMOS
- ◎ 9344 * 7000 pixels, 3.2 μ m * 3.2 μ m
- ◎ Frame rate up to 31.59fps
- ◎ 8/10/12 bit output
- ◎ High sensitivity and low noise
- ◎ Minimum exposure time: 14 μ s, exposure time step: 1 μ s
- ◎ ROI / Auto White Balance
- ◎ Defect Pixel Correction / Flat Field Correction
- ◎ Analog Gain / Digital Gain / Offset Control
- ◎ Support CoaXPress 1.1.1 Protocol
- ◎ Temperature monitor
- ◎ Electronic refrigeration——12 $^{\circ}$ C below environment temperature



Applications

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



Spectral response

Specifications

Model	TTS65MCXP-31M/C
Sensor Type	Global Shutter CMOS
Image Mode	Color / Mono
Optical Size	37.36 mm
Resolution	9344 * 7000
Pixel Size	3.2μm * 3.2μm
Max Frame Rate	18.58fps@8bit, 14.21fps@10bit, 12.36fps@12bit(2 channels); 31.59fps@8bit, 23.69fps@10/12bit(4 channels)
Bit Depth	8/10/12 bit
Dynamic Range	≥62 dB
Data Rate	1213MB/s(2 channels) ; 2324MB/s(4 channels)
Trigger Mode	Free run / External trigger
Trigger Source	External IO / CXP Trigger
Exposure Control	Program / Pulse Width
Exposure Time	14μs-10s(Step:1μs)
Analog Gain	0-64dB
Digital Gain	0.1-8.0x
Lens Interface	M42 / F Mount
Data Interface	CoaXPress
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12V±10% 5A
Power Consumption	45.8W(4-channels)
Cooling Mode	Electric refrigeration (12°C below environment temperature) / Fan refrigeration
Dimensions	111.0mm(W) x 111.0mm(H) x 124.0mm(D)
Operating Temperature	0-45°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

