



TEC-TAURUS

Large Area Scan Camera

TTS127MSCXP10-22M/C

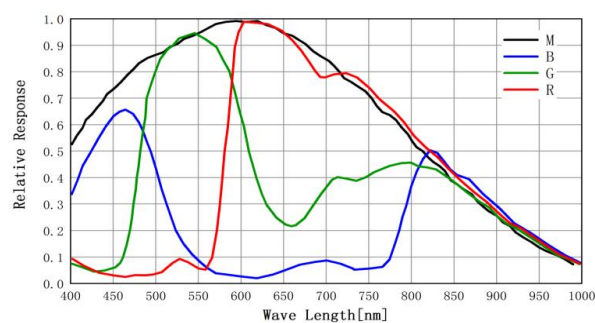
Features

- ◎ Global Shutter CMOS
- ◎ 13440 * 9536 pixels, 3.45 μ m * 3.45 μ m
- ◎ Frame rate up to 22.14fps
- ◎ 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——12°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	TTS127MSCXP10-22M/C
Sensor	IMX661
Image Mode	Color / Mono
Optical Size	56.85 mm
Resolution	13440 * 9536
Pixel Size	3.45μm * 3.45μm
Max Frame Rate	Binning1x1: 22.14fps@8/10bit, 18.98fps@12bit Binning2x2/4x4: 42.43fps@8/10bit, 38.28fps@12bit
Bit Depth	8/10/12 bit
Dynamic Range	≥71 dB
Data Rate	3547MB/s
Trigger Mode	Free run / External trigger
Trigger Source	External IO / CXP Trigger
Exposure Control	Program / Pulse Width
Exposure Time	443us~50s (Step: 8.91us@8/10bit, 10.43us@12bit)
Analog Gain	0-36
Digital Gain	0.004~7.996
Lens Interface	M72 * 0.75
Data Interface	CoaXPress10
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12V±10% 5A
Power Consumption	TEC off: 23.1W TEC on: 47.9W
Cooling Mode	Electronic refrigeration(12°C below environment temperature) / Fan refrigeration
Dimensions	111.0mm(W) x 111.0mm(H) x 91.6mm(D)
Operating Temperature	0-50°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

