



TEC-TAURUS

Large Area Scan Camera

TTS71MCL-4M

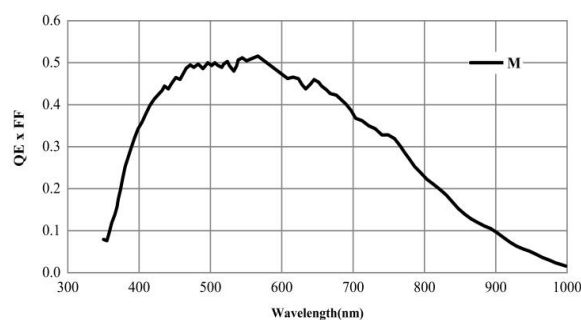
Features

- ◎ Rolling Shutter CMOS
- ◎ 10000 * 7096 pixels, $3.1\mu\text{m} * 3.1\mu\text{m}$
- ◎ Frame rate up to 4.2fps
- ◎ 8/10/12 bit output
- ◎ High sensitivity and low noise
- ◎ Strobe Output
- ◎ Gain / Offset Control
- ◎ LUT
- ◎ Dark Image Correction
- ◎ Electronic refrigeration—— 25°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	TTS71MCL-4M
Sensor	CHR71000
Image Mode	Mono
Optical Size	38.01 mm
Resolution	10000 * 7096
Pixel Size	3.1μm * 3.1μm
Max Frame Rate	4.2 fps
Bit Depth	8/10/12 bit
Dynamic Range	≥57.4 dB
Data Rate	447 MB/s (8bit)
Trigger Mode	Free run / External trigger
Trigger Source	Camera Link CC / External IO
Exposure Control	Program / Pulse Width
Exposure Time	100μs-10s(Step:34μs)
Analog Gain	0-64
Digital Gain	0.01-8.00x
Lens Interface	F Mount
Data Interface	Camera Link
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12V±10% 4A
Power Consumption	33.0 W
Cooling mode	Electric refrigeration (25°C below environment temperature) / Fan refrigeration
Dimensions	105.0mm(W) x 105.0mm(H) x 81.0mm(D)(Without adapter)
Operating Temperature	0-50°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

