



TAURUS

High Speed Area Scan Camera

TS31MSCXP-35M/C

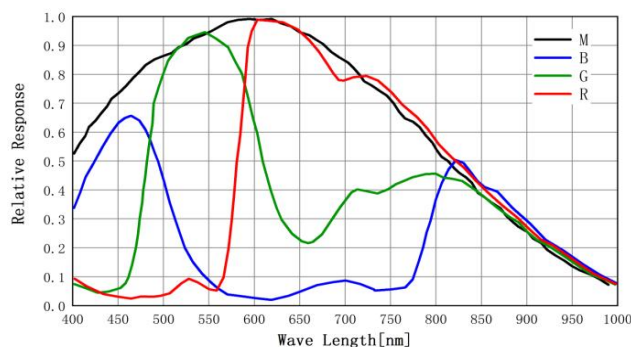
Features

- ◎ Global Shutter CMOS
- ◎ 6464 * 4852 pixels, 3.45μm * 3.45μm
- ◎ Frame rate up to 35fps
- ◎ High sensitivity and low noise
- ◎ ROI / Binning / LUT / Automatic White Balance
- ◎ Analog Gain / Digital Gain / Offset Control
- ◎ Minimum exposure time 5μs
- ◎ Defect Pixel Correction / FFC
- ◎ Rich exposure control modes (external trigger, free-run)
- ◎ Temperature monitor



Applications

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



Spectral response

Specifications

Model	TS31MSCXP-35M/C
Sensor	IMX342
Image Mode	Mono / Color
Optical Size	27.88 mm
Resolution	6464 * 4852
Pixel Size	3.45 μ m * 3.45 μ m
Max Frame Rate	35.85fps@8bit, 30.57fps@10bit, 25.52fps@12bit
Data Format	8/10/12 bit
Dynamic Range	≥ 70.8 dB
Data Rate	1200 MB/s
Trigger Mode	Free run / External trigger
Trigger Source	External IO / CXP Trigger
Exposure Control	Program / Pulse Width
Exposure Time	5 μ s-10s(Step:6 μ s)
Analog Gain	0-24dB
Digital Gain	0.004-8.000x
Lens Interface	M42 * 1
Data Interface	CoaXPress BNCx2
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12-24V($\pm 10\%$) 2A or PoCXP powered
Power Consumption	12.6W
Dimensions	62mm x 62mm x 62.48mm (without adapter lens)
Operating Temperature	0-55°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

