



TEC-PHOENIX

Line Scan Camera

TPH16KXP12-250KT

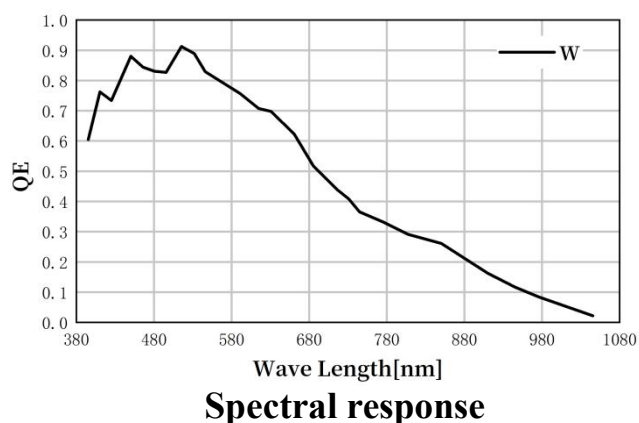
Features

- ◎ Back Illuminated CCD
- ◎ 16384 * 256 pixels, 5 μ m * 5 μ m
- ◎ Up to 250kHz Line Rate
- ◎ High sensitivity and low noise
- ◎ Minimum exposure time: 4 μ s, exposure time step: 0.01 μ s
- ◎ ROI / FFC
- ◎ Analog gain / Digital gain / Offset Control
- ◎ Electronic refrigeration: 20°C below environment temperature



Applications

- ◎ Printed circuit board inspection
- ◎ Flat panel display inspection
- ◎ Semiconductor inspection
- ◎ Gene Sequencing
- ◎ Digital Pathology



Specifications

Model	TPH16KCXP12-250KT
Sensor	Back Illuminated CCD
Image Mode	Mono
Optical Size	81.92 mm
Resolution	16384 * 256
Pixel Size	5μm * 5μm
Max Line Rate	250kHz@8bit, 200kHz@10bit, 166kHz@12bit
Bit Depth	8/10/12 bit
Dynamic Range	≥ 53.7dB
Data Rate	4079MB/s
Trigger Mode	Free run / External trigger
Exposure Control	External PWM, Timed
Exposure Time	4μs-1s(Step:0.01μs)
Analog Gain	x1/x2/x4/x8
Digital Gain	0.001-8.000x
Data Interface	CoaXPress12
Lens Interface	M95 * 1
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12-24V(±10%) 2A
Power Dissipation	TEC off: 17.0W TEC on: 43.0W
Cooling Mode	Thermal electric cooling with a fan
Dimensions	103.5mm x 103.5mm x 71mm
Operating Temperature	0-65°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

