



PHOENIX

Line Scan Camera

PH16KEXP12-250KT

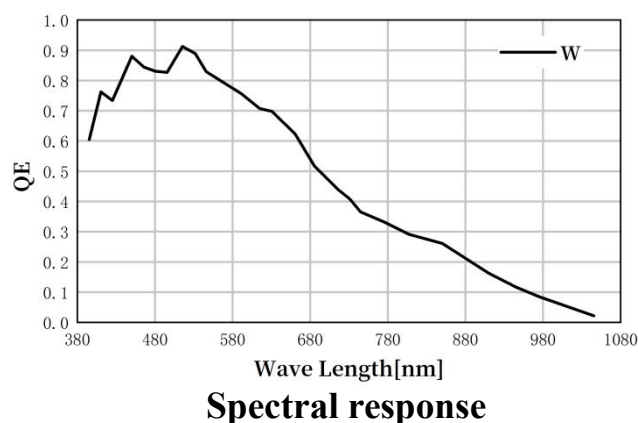
Features

- ◎ 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
- ◎ FFC / LUT
- ◎ Analog Gain / Digital Gain / Digital Offset
- ◎ Scanning direction configurable
- ◎ Real time temperature monitoring
- ◎ Power supply: DC12-24V($\pm$ 10%)



Applications

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



Specifications

Model	PH16KCXP12-250KT
Sensor	Back Illuminated CCD
Image Mode	Mono
Optical Size	81.92 mm
Resolution	16384 * 256
Pixel Size	5 μ m * 5 μ m
Max Line Rate	250kHz@8bit, 200kHz@10bit, 166kHz@12bit
Bit Depth	8/10/12 bit
Dynamic Range	$\geq$ 53.7 dB
Data Rate	4079 MB/s
Trigger Mode	Free run / External trigger
Exposure Control	Controlled by line rate or Program
Exposure Time	4 μ s-1s(Step:0.01 μ s)
Analog Gain	1/2/4/8x
Digital Gain	0.001x-7.998x
Data Interface	M95* 1
Lens Interface	CoaXPress12
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12-24V($\pm$ 10%) 2.0A
Power Dissipation	15.1 W
Dimensions	99.0mm(W) x 99.0mm(H) x 71.0mm(D)
Operating Temperature	0-65 $^{\circ}$ C
Storage Temperature	-20-75 $^{\circ}$ C

Mechanical Dimensions(mm)

