



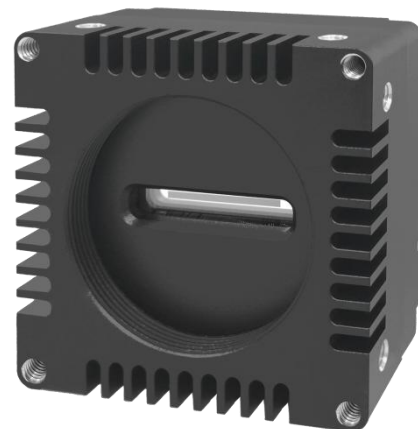
TEC-PHOENIX

Line Scan Camera

PH4KCXP-250KN256

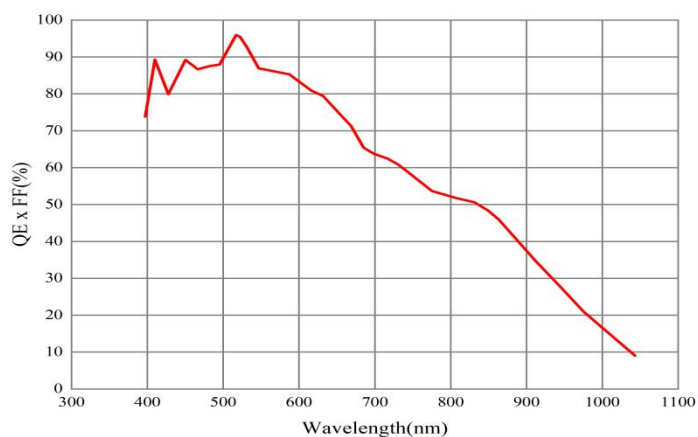
Features

- ◎ Back Illuminated CCD
- ◎ 4096 * 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
- ◎ 8/10/12 bit output
- ◎ Scanning direction configurable
- ◎ ROI / FFC
- ◎ Analog gain / Digital gain / Offset Control
- ◎ Electronic refrigeration: 20°C below environment temperature



Applications

- ◎ Flat panel display inspection
- ◎ Semiconductor inspection
- ◎ Film and web inspection
- ◎ Print and package inspection
- ◎ Digital Pathology



Spectral response

Specifications

Model	PH4KCXP-250KN256
Sensor	Back Illuminated CCD
Image Mode	Mono
Optical Size	20.48 mm
Resolution	4096 * 256
Pixel Size	5μm * 5μm
Max Line Rate	250kHz@8bit, 237kHz@10bit, 198kHz@12bit
Bit Depth	8/10/12 bit
Dynamic Range	≥54.2dB
Data Rate	1216MB/s
Trigger Mode	Free run / External trigger
Exposure Control	Timed; Line Rate Control
Exposure TimeAnalog Gain	4μs-1s(Step:0.01μs)
Analog Gain	X1/X2/X4/X8
Digital Gain	0.004-7.998x
Data Interface	CoaXPress
Lens Interface	M42 * 1
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12-24V(±10%) 1A
Power Dissipation	6.0W
Dimensions	60.0mm(W) x 60.0mm(H) x 39.0mm(D)
Operating Temperature	0-55°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

