



Prometheus

Line Scan Camera

PR16KCXP-40KC

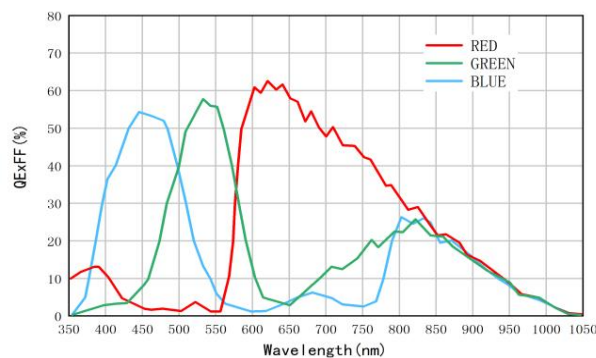
Features

- ◎ Global Shutter CMOS
- ◎ 16384 * 6pixels, 5μm * 5μm
- ◎ Up to 40kHz Line Rate
- ◎ High sensitivity and low noise
- ◎ RGB/BGR@8/10bit
- ◎ Rich exposure control modes (external trigger, free-run)
- ◎ Binning / LUT / FFC / Automatic White Balance
- ◎ Spatial Correction / Parallax Correction
- ◎ Scanning direction configurable
- ◎ Real-time temperature monitoring



Applications

- ◎ Printed circuit board inspection
- ◎ Semiconductor inspection
- ◎ Print and package inspection
- ◎ Food and medicine inspection
- ◎ Plate and web inspection



Spectral response

Specifications

Model	PR16KCXP-40KC
Image Sensor	Global Shutter CMOS
Image Mode	Color
Optical Size	81.92 mm
Resolution	16384 * 6
Pixel Size	5μm * 5μm
Max Line Rate	39.8kHz
Bit Depth	8/10bit
Dynamic Range	≥64.2dB
Data Rate	2445 MB/s
Trigger Mode	Line Trigger / Frame Trigger
Exposure Control	External PWM, Timed
Exposure Time	2.3μs - 63997μs(step:0.1μs)
Analog Gain	1/2/4/8x
Digital Gain	0.1-8.0x
Lens Interface	M90 * 1
Data Interface	CoaXPress
Power Interface	Hirose HR10A-7P-6S(Female)
Power Supply	DC12-24V(±10%) 2.5A
Power Dissipation	18.2 W
Dimensions	99.0mm(W) x 99.0mm(H) x 73.0mm(D)
Operating Temperature	0-55°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

