



Pneuma

Line Scan Camera

PN4KCL-30KN4

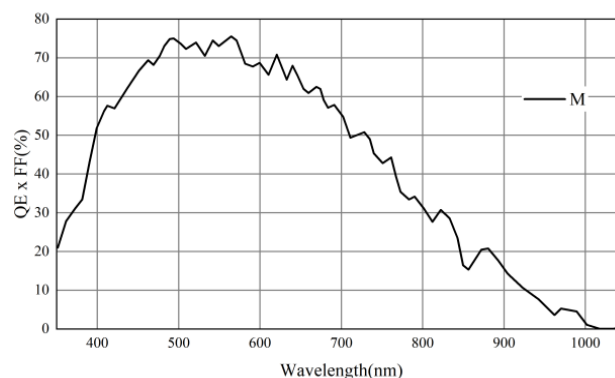
Features

- ◎ Global Shutter CMOS
- ◎ 4096 * 4 pixels, 7μm * 7μm
- ◎ Up to 30kHz Line Rate
- ◎ High sensitivity and Low noise
- ◎ 8/10 bit output
- ◎ Rich exposure control modes (external trigger, free-run)
- ◎ Binning / LUT / FFC
- ◎ Spatial Correction / Parallax Correction
- ◎ Scanning direction configurable
- ◎ Real-time temperature monitoring



Applications

- ◎ Plate and web inspection
- ◎ Lithium battery / Solar panel inspection
- ◎ Railway and traffic application
- ◎ Food and medicine inspection
- ◎ Other sorting and appearance inspections



Spectral response

Specifications

Model	PN4KCL-30KN4
Image Sensor	Global Shutter CMOS
Image Mode	Mono
Optical Size	28.67 mm
Resolution	4096 * 4
Pixel Size	7μm * 7μm
Max Line Rate	30.0kHz@8/10bit
Bit Depth	8/10bit
Dynamic Range	≥65.6 dB
Data Rate	153MB/s
Trigger Mode	Free-Run / External Pulse / External PWM
Exposure Control	External PWM / Timed
Exposure Time	10.5μs - 63997μs(step:0.01μs)
Analog Gain	1/2/3/4/5/6/7/8x
Digital Gain	0.01-8.00x
Data Interface	Camera Link
Lens Mount	M42
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC 12V±10% 0.5A
Power Dissipation	3.7W
Dimensions	60.0mm(W) x 60.0mm(H) x 37.42mm(D)
Operating Temperature	0-55°C
Storage Temperature	-20-75°C

Mechanical Dimensions(mm)

