



Pneuma

Line Scan Camera

PN4K2GV-30KN4

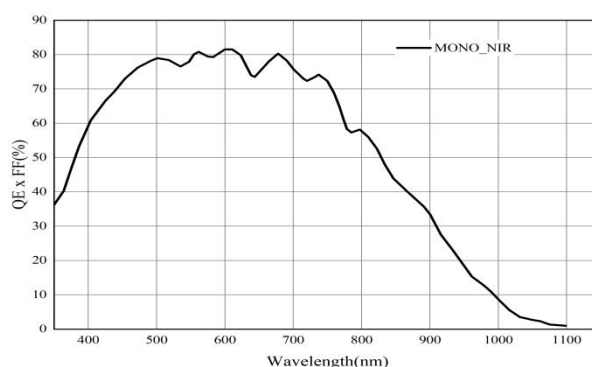
Features

- ◎ Global Shutter CMOS
- ◎ 4096 * 4pixels, 7 μ m * 7 μ m
- ◎ Up to 30kHz Line Rate
- ◎ High sensitivity and low noise
- ◎ 8 bit output
- ◎ Minimum exposure time: 10.5 μ s
- ◎ Rich exposure control modes (external trigger, free-run)
- ◎ 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	PN4K2GV-30KN4
Image Sensor	Global Shutter CMOS
Image Mode	Mono
Optical Size	28.67 mm
Resolution	4096 * 4
Pixel Size	7μm * 7μm
Max Line Rate	30.0 kHz
Bit Depth	8 bit
Dynamic Range	≥54.2 dB
Data Rate	123 MB/s
Trigger Mode	Free-Run / External Pulse / External PWM
Exposure Control	Pulse width / Program
Exposure Time	10.5μs - 63997μs(Step:0.016-0.017μs)
Analog Gain	1/2/3/4/5/6/7/8x
Digital Gain	0.1-8.0x
Data Interface	GigE Vision
Lens Interface	M42 * 1
Power Interface	HD15(Female)
Power Supply	DC12-24V (±10%) 1.0A or PoE supply
Power Dissipation	3.7 W (DC power supply) / 4.4W(PoE power supply)
Dimensions	62.0mm(W) x 62.0mm(H) x 37.5mm(D)
Operating Temperature	0-55℃
Storage Temperature	-20-75℃

Mechanical Dimensions(mm)

