



# PANTHER

## Line Scan Camera

### PA8KCL-80KM

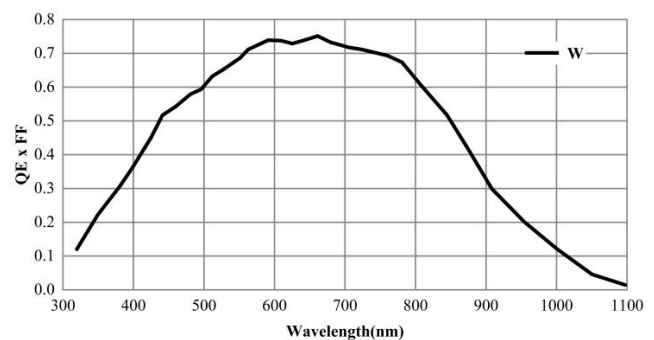
#### Features

- ◎ 8192 \* 1 pixels, 7 $\mu$ m \* 7 $\mu$ m
- ◎ Up to 80kHz Line Rate
- ◎ High sensitivity and Low noise
- ◎ FFC / FPN
- ◎ 8/10 bit output
- ◎ Auto white balance
- ◎ Camera Link interface
- ◎ Internal trigger / External trigger optional
- ◎ Serial port control / GUI configuration tool optional
- ◎ Power supply:DC12-24V( $\pm$ 10%)



#### Applications

- ◎ Automated optical inspection
- ◎ Security system
- ◎ High performance sorting systems
- ◎ Materials grading and inspection
- ◎ Web inspection
- ◎ General purpose machine vision



**Spectral response**

## Specifications

<b>Model</b>	<b>PA8KCL-80KM</b>
Image Sensor	Global Shutter CMOS
Image Mode	Mono
Optical Size	57.34 mm
Resolution	8192 * 1
Pixel Size	7 $\mu$ m * 7 $\mu$ m
Max Line Rate	80kHz@8TAP
Bit Depth	8/10 bit
Dynamic Range	$\geq$ 64 dB
Data Rate	680 MB/s
Trigger Mode	External trigger / Internal free run
Exposure Control	Pulse width or Program
Exposure Time	2.5 $\mu$ s-10s(Step:0.1 $\mu$ s)
Analog Gain	1x/2x/4x/8x
Digital Gain	0.01x-8.00x
Lens Interface	M72 * 0.75
Data Interface	Camera Link
Power Interface	Hirose HR10A-7R-6PB(Male)
Power Supply	DC12V-24V( $\pm$ 10%) 1.5A
Power Dissipation	5 W
Dimensions	78.0mm(W) x 87.0mm(H) x 40.6mm(D)
Operating Temperature	0-65 $^{\circ}$ C
Storage Temperature	-20-60 $^{\circ}$ C

## Mechanical Dimensions(mm)

