



PANTHER

Line Scan Camera

PA8KGV-45KM

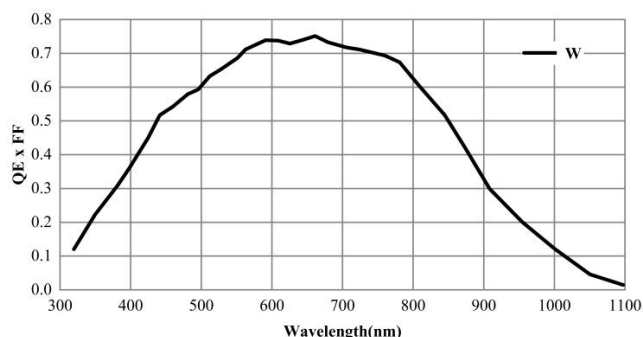
Features

- ◎ 8192 * 1 pixels, 14kHz(45kHz with SAccel™)
- ◎ High sensitivity and Low noise
- ◎ FFC and contrast expansion
- ◎ 8 bit output
- ◎ GigE Vision interface
- ◎ GUI configuration tool
- ◎ Internal trigger / External trigger optional
- ◎ Power supply:DC12-24V($\pm 10\%$)



Applications

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



Spectral response

Specifications

Model	PA8KGV-45KM
Image Sensor	Global Shutter CMOS
Image Mode	Mono
Optical Size	57.34 mm
Resolution	8192 * 1
Pixel Size	7μm * 7μm
Max Line Rate	14kHz(45kHz with SAccel™)
Bit Depth	8 bit
Dynamic Range	≥54 dB
Data Rate	115 MB/s
Trigger Mode	External trigger / Internal free run
Exposure Control	Pulse width or Program
Exposure Time	2.5μs-10s(Step:0.1μs)
Analog Gain	1x/2x/4x/8x
Digital Gain	0.001x-15.999x
Lens Interface	M72 * 0.75
Data Interface	GigE Vision
Power Interface	HD15 female connector
Power Supply	DC12V-24V(±10%) 0.4A
Power Dissipation	5 W
Dimensions	76.0mm(W) x 76.0mm(H) x 40.1mm(D)
Operating Temperature	0-65℃
Storage Temperature	-20-75℃

Mechanical Dimensions(mm)

