



PANTHER

Line Scan Camera

PA4KGV-80KM

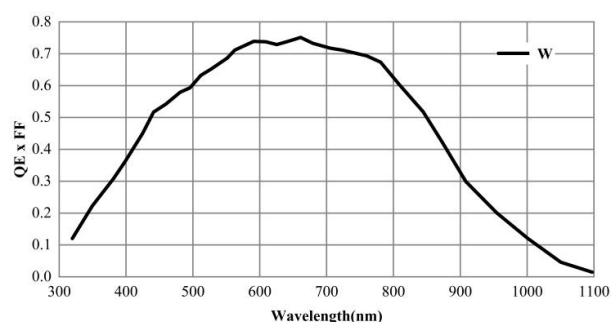
Features

- ◎ 4096 * 1 pixels, 27kHz (80kHz with SAccel™)
- ◎ High sensitivity and low noise
- ◎ 8 bit output
- ◎ FFC and contrast expansion
- ◎ GUI configuration tool
- ◎ Internal trigger / External trigger optional
- ◎ Power supply: DC12-24V(±10%)
- ◎ GigE Vision interface



Applications

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



Spectral response

Specifications

Model	PA4KGV-80KM
Image Sensor	Global Shutter CMOS
Image Mode	Mono
Optical Size	14.33 mm
Resolution	4096 * 1
Pixel Size	3.5μm * 3.5μm
Max Line Rate	27kHz(80kHz 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	C Mount
Data Interface	GigE Vision
Power Interface	HD15 female connector
Power Supply	DC12V-24V(±10%) 0.3A
Power Dissipation	4 W
Dimensions	63.0mm(W) x 63.0mm(H) x 56.8mm(D)
Operating Temperature	0-65℃
Storage Temperature	-20-75℃

Mechanical Dimensions(mm)

