

CK-RNE2-532M/CI-22GS(N) 5.3 MP CMOS GigE Area Scan Camera



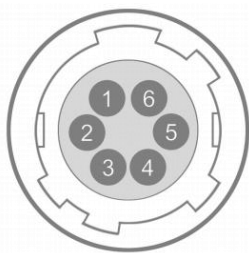
Features

- Support Timed exposure mode and TriggerWidth exposure mode
- Support Decimation, Binning, Digital Shift, Black Level, Static Defect Pixel Correction
- Adjustable Gamma and Sharpness for optimizing the brightness and sharpness of images
- Color models support Light source preset, Color Transformation Control and Saturation
- Monochrome models support Noise Reduction
- Support Burst Acquisition and Level Controlled Exposure
- Timer, Counter, LUTs and User Set Control

Applications

Suitable for machine vision applications such as industrial inspection, medical, scientific research, education and so on.

I/O Interface



Pin	Definition	Description
1	POWER_IN	Camera external power, +12V DC~+24V DC
2	Line0+	Opto-isolated input +
3	Line2	GPIO input/output
4	Line1+	Opto-isolated output +
5	Line0-/Line1-	Line0-: Opto-isolated input - Line1-: Opto-isolated output -
6	GND	PWR GND & GPIO GND

Spectral Response

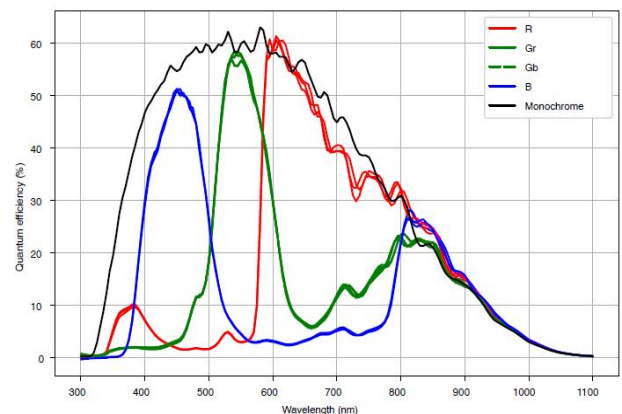


Figure 57. Quantum Efficiency (Mono)

Models

Mono: CK-RNE2-532MI-22GS(N)

Color: CK-RNE2-532CI-22GS(N)

Specifications

Model	CK-RNE2-532CI-22GS(N)	CK-RNE2-532MI-22GS(N)
Resolution	2592(H) × 2048(V)	
Sensor	ON XGS5000 Global shutter CMOS	
Sensor Format	2/3"	
Pixel Size	3.2μm × 3.2μm	
Frame Rate	22.17 fps (Max. frame rate: 42.17fps @ Acquisition Burst Mode)	
ADC	12 bit	
Pixel Bit Depth	8 bit, 12 bit	
Mono/Color	Color	Mono
Pixel Formats	Bayer RG8 / Bayer RG12	Mono8 / Mono12
SNR	39.76 dB	39.62 dB
Exposure Time	UltraShort: 25μs ~ 99μs, Actual Steps: 1μs; Standard: 100μs ~ 1s, Actual Steps: 1 row period	
Gain	0dB ~ 24dB; Default: 0dB, Steps: 0.1dB	
Binning	1×1, 1×2, 2×1, 2×2	
Decimation	Sensor: 1×1, 1×2, 2×1, 2×2	
Synchronization	Hardware trigger, software trigger	
Acquisition Control	Single frame, Continuous, Software trigger, Hardware trigger, Acquisition burst	
Reverse X/Y	Reverse X/Y	
I/O Interface	1 input and 1 output with opto-isolated, 1 programmable GPIO	
Data Interface	GigE	
Power Supply	12VDC-10% ~ 24VDC+10% supplied via the camera's 6-pin Hirose connector	
Typical Power	3.90W @ 12VDC	
Operating Temp.	0°C ~ +45°C	
Storage Temp.	-20°C ~ +70°C	
Operating Humidity	10% ~ 80%	
Lens Mount	C / CS	
Dimensions	29(W) × 29(H) × 29(L) mm (without lens adapter or connectors)	
Weight	68 g	
Software	CKVisionBuilder or third-party software meeting with GigE Vision Protocol	
OS	32bit / 64bit Windows, Linux, Mac OS	



Technical Drawing

