



Bigeye G

G-132 NIR Cool

- Sensitive in both the visible and NIR spectrum
- Exposure time up to more than 4200 s

基本描述

NIR optimized camera with Sony ICX285, Peltier cooling -20 °C

The Bigeye G-132B NIR Cool is distinguished by high performance both in the visible spectrum and the NIR spectrum; its Sony ICX285 CCD sensor is modified for enhanced NIR sensitivity.

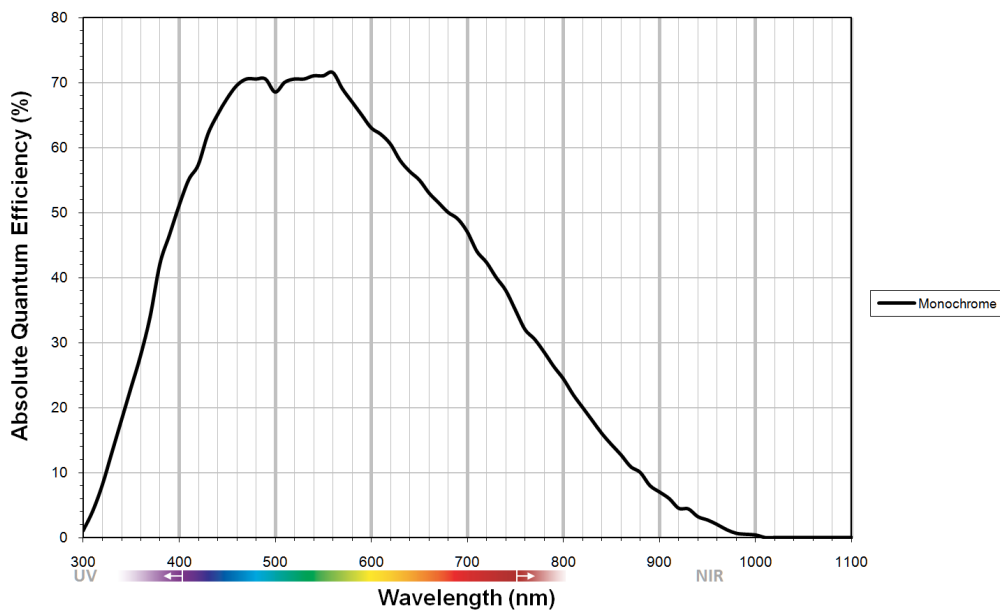
Benefits and features:

- GigE Vision, multi-functional, user-configurable I/O interface
- Sony ICX285 EXview HAD CCD sensor, 1280 x 1024 pixels, extended sensitivity ranging from 350 nm to 1000 nm, peltier cooling, stabilized to -20 °C, exposure time up to 4292 s (\approx 71 min)
- Reliable operation under rough industrial conditions

性能参数

Bigeye G	G-132 NIR Cool
接口	IEEE 802.3 1000baseT
分辨率	1280 (H) × 1024 (V)
传感器	Sony ICX285
传感器类型	CCD Progressive
传感器尺寸	Type 2/3
像元尺寸	6.45 μ m × 6.45 μ m
Cooling temperature	-20 °C
Dark noise	tbd
Dark current	tbd
Saturation capacity	tbd
Dynamic range	tbd

Bigeye G	G-132 NIR Cool
标准镜头接口	C-Mount
最大满帧帧率	12.5 fps
ADC	12 bit
缓存 (RAM)	32 MByte
输出	
Bit位数	12 bit
黑白像素格式	Mono8, Mono12, Mono12Packed
通用输入输出口(GPIOs)	
TTL I/Os	1/1
光耦 I/Os	3/3
RS232	2
工作条件/尺寸	
工作温度	0 °C to 35 °C
功耗	max. <36 W @ 12 VDC, typ. <18 W @ 12 VDC
重量	1270 g
尺寸(L × W × H in mm)	100.8 × 90 × 99 (including connectors)
符合规范	CE: 2014/30/EU (EMC), 2011/65/EU (RoHS)



特性

- Gain (6 dB)
- Exposure time 80077 μ s to 4294 seconds (\approx 71 min)



- Binning (2x1, 2x2)
- Three look-up tables (LUTs)
- Gamma (0.45, 0.5, 0.7)
- Five storable user sets

Easy integration

The Bigeye G-132 NIR Cool can be easily integrated into your application, since it is GigE Vision compliant and compatible with Allied Vision's GigE SDKs. Additionally, this camera can be used with numerous third-party software solutions.



应用场景

The Bigeye G-132B NIR Cool is a prime quality CCD camera that is sensitive both in the visible and the NIR spectrum. It is optimal for applications requiring long exposure times.

Typical applications:

- Low-noise imaging (industrial and scientific imaging)
- Image acquisition with long exposure times
- Microscopy with high resolution
- Fluorescence microscopy
- Gel electrophoresis, DNA documentation
- Non-destructive evaluation of photosensitive objects
- Astronomy
- Solar cell/wafer inspection