



Bigeye G G-132 NIR Cool

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

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

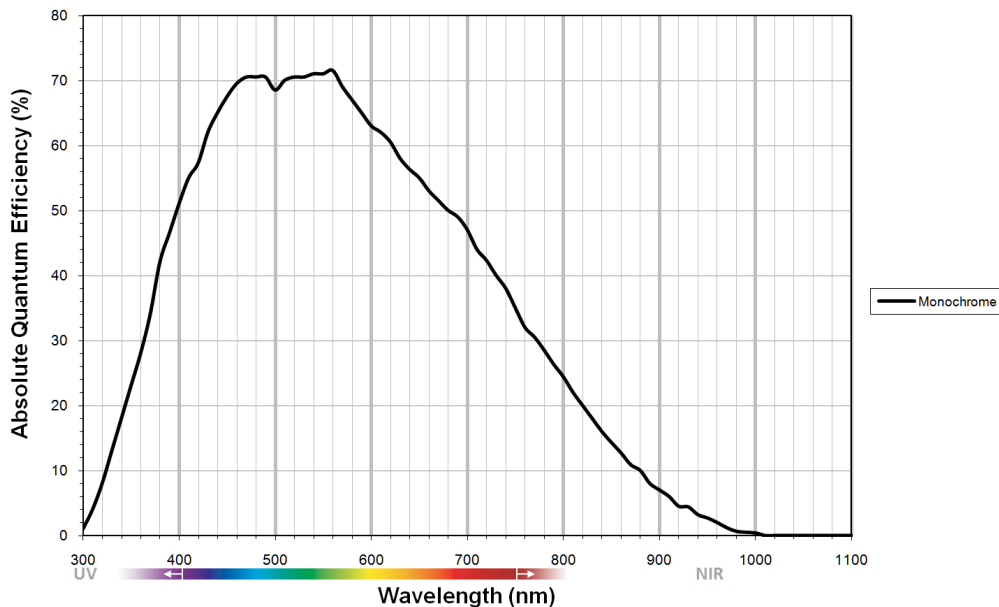
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|----------------------|-----------------------------|
| Bigeye G | G-132 NIR Cool |
| 接口 | IEEE 802.3 1000baseT |
| 分辨率 | 1280 (H) × 1024 (V) |
| 传感器 | Sony ICX285 |
| 传感器类型 | CCD Progressive |
| 传感器尺寸 | Type 2/3 |
| 像元尺寸 | 6.45 μ m × 6.45 μ m |
| Lens mount (default) | C-Mount |
| 最大满帧帧率 | 12.5 fps |
| ADC | 12 Bit |
| 缓存 (RAM) | 32 MByte |
| | 成像性能 |
| 冷却温度 | -20 °C |



Allied Vision

| | |
|----------------------|--|
| Bigeye G | G-132 NIR Cool |
| 暗流 | tbd |
| 暗噪声 | tbd |
| 饱和电子数 | tbd |
| 动态范围 | tbd |
| 输出 | |
| Bit位数 | 12 Bit |
| 黑白像素格式 | Mono8, Mono12, Mono12Packed |
| 通用输入输出(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 at 12 VDC, typ. <18 W at 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) |

量子转换效率





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