

Mako G-508B POL polarizer camera is equipped with a Polarsens 5.1 MP IMX250MZR CMOS sensor that incorporates the latest four-directional polarization filter technology from Sony. The on-chip nanowire polarizing layer supports four orientations (0°, 45°, 90°, and 135°).

## 常规

型号:	Mako G-508B POL
产品系列:	Mako
状态:	Available

## 传感器

传感器类型:	Area scan
色度:	Mono
光谱:	Visible
分辨率:	2,464 × 2,056 (5.10 MP)
传感器型号:	Sony IMX250 Polarizer
传感器架构 (材料):	CMOS
快门类型:	Global Shutter
传感器尺寸:	12.75 mm $\varnothing$ (Type 2/3)
像素尺寸:	3.45 $\mu\text{m}$ × 3.45 $\mu\text{m}$

## 像素格式

传感器位深度:	12-bit
单色像素格式:	Mono8, Mono12, Mono12Packed

## 成像性能

量子效率 @ 529 nm:	25 %
----------------	------

## 时序与增益

最大帧率:	23
-------	----

## I/O与电源

光电隔离线路:	1 input, 3 outputs
电源供应:	10.8 to 26.4 VDC AUX or 802.3at Type 1 PoE
功耗:	2.4 W at 12 VDC; 2.4 W PoE

## 工作条件

工作温度 (外壳):	5 °C to 45 °C housing temperature
------------	-----------------------------------

## 机械特性

机身尺寸 (L x W x H mm) :	61 × 29 × 29
重量:	80 g

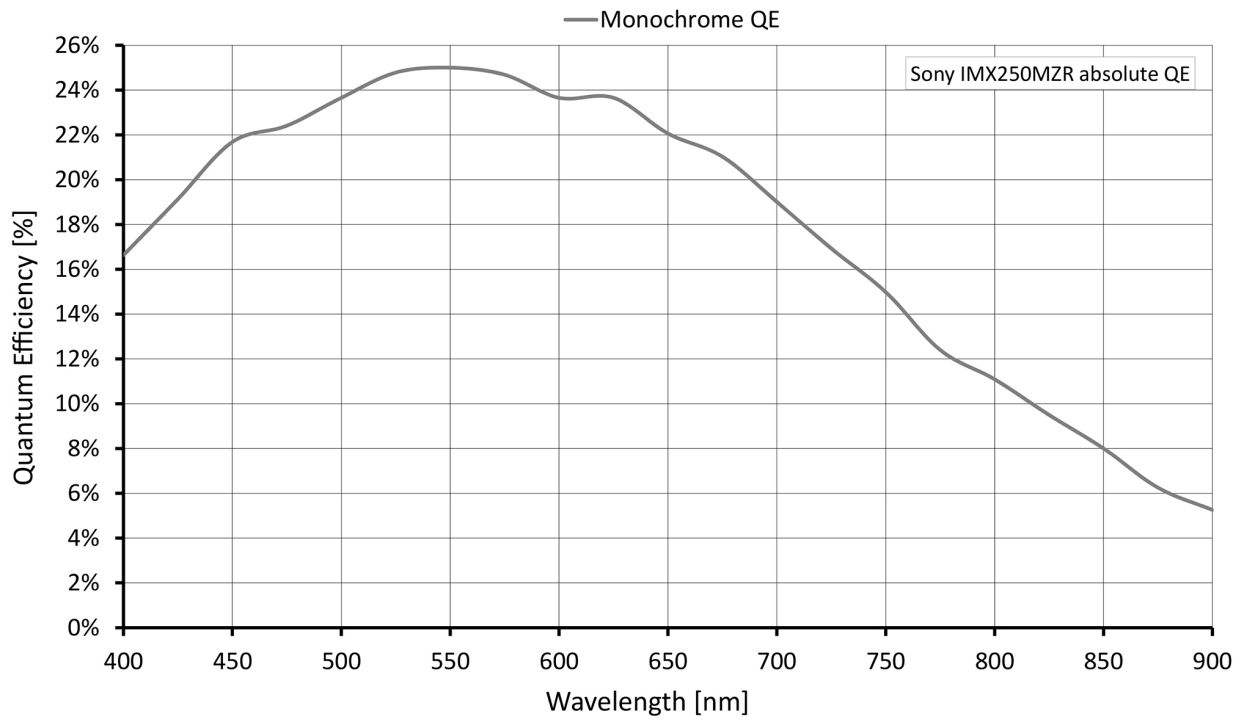
## 板载内存与FPGA

图像缓存 (RAM) :	64 MByte
非易失性存储器 (闪存) :	1024 KByte

## 接口

数字接口:	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
-------	---

# Quantum Efficiency



\*Note: The quantum efficiency depends on the illumination's degree of polarization.

