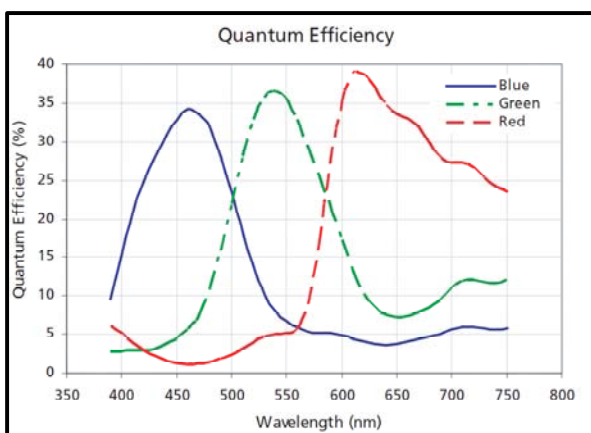
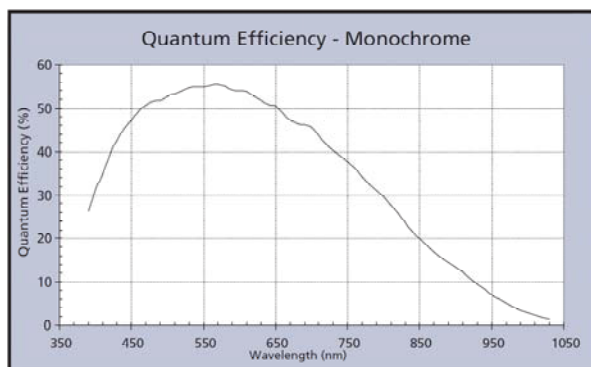
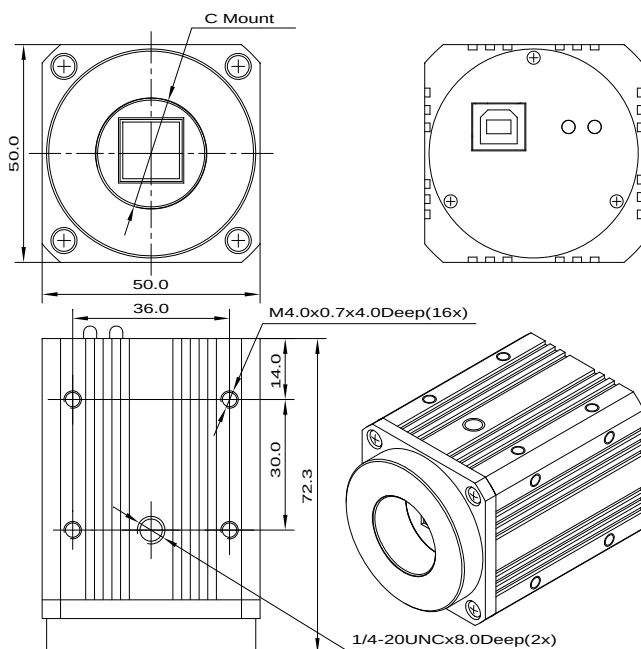


EeMOS-R 系列高分辨率面阵CMOS相机

EeMOS-R Series Area Scan CMOS Cameras



尺寸 (Mechanical) 单位 (Unit): mm



产品特性 (Features)

- 1.3MP, 2.0MP, 3.1MP有效像素 (1.3M, 2.0M, 3.1M resolution);
- 1/2" 靶面 (1/2 inch optical format);
- 逐行扫描黑白及彩色 CMOS 传感器 (Progressive mono or color CMOS sensor);
- USB 2.0接口 (USB 2.0 High-speed Interface);
- POCL Camera Link Base接口 (POCL Camera Link Base data Format);

可编程性 (Programmability)

- ROI (Region of Interest setting);
- 图像增益及黑场校正 (Gain and optical Black);
- 曝光时间设定 (Exposure time setting);
- 测试图像输出 (Test image output);
- (Internal/Ext. sync);

典型应用 (Typical Applications)

- 电子显微镜 (Microscope);
- 文字识别 (OCR);
- 尺寸测量 (Metrology);
- 科研及教学 (College & study);

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EeMOS-R Series Area Scan CMOS Cameras

型号及技术指标 (Order Info & Specification)

型号 Order Number		ER1-130M-USB	ER1-130C-USB	ER1-200C-USB	ER1-310C-USB
分辨率 (Resolution)		1280×1024	1280×1024	1600×1200	2048×1536
像素尺寸 (Pixel Size)		5.2μm×5.2μm	5.2μm×5.2μm	4.2μm×4.2μm	3.2μm×3.2μm
传感器类型 (Sensor Type)		Mono	Bayer RGB	Bayer RGB	Bayer RGB
光学尺寸 (Optical Format)		1/2 inch	1/2 inch	1/2 inch	1/2 inch
有效感光面积 (Active Image Size)		6.66mm(H)×5.32mm(V)	6.66mm(H)×5.32mm(V)	6.72mm(H)×5.04mm(V)	6.55mm(H)×4.92mm(V)
帧率 vs. 分辨率 (Frame Rate vs. Resolution)	QXGA (2048×1536)	—	—	—	6fps
	UXGA (1600×1200)	—	—	10fps	10fps
	SXGA (1280×1024)	15fps	15fps	15fps	15fps
	XGA (1024×768)	20fps	20fps	20fps	20fps
	VGA (640×480)	45fps	45fps	45fps	45fps
快门 (Shutter)		Electric Rolling Shutter			
信噪比 (Signal to Noise Ratio)		45 dB	45 dB	42 dB	43 dB
动态范围 (Dynamic Range)		60 dB	60 dB	60 dB	60 dB
灵敏度 (Sensitivity)		2.1V/lux·s@550nm	1.6V/lux·s@550nm	1.2V/lux·s@550nm	1.0V/lux·s@550nm
镜头接口 (Lens Mount)		C Type	C Type	C Type	C Type
同步方式 (Sync Type)		内同步 Internal Free-run mode			
快门范围 (Shutter Time)		10μs - 1s	10μs - 1s	10μs - 1s	10μs - 1s
数据输出 (Output Format)		8bit	8bit	8bit	8bit
供电 (Power Supply)		USB Bus Supply	USB Bus Supply	USB Bus Supply	USB Bus Supply
尺寸 (Dimension)		50mm(W) × 50mm(H) × 72.3mm(L) (include C-type lens mount)			
重量 (Mass)		290g (include C-type lens mount)			

型号 Order Number		ER1-130M-POCL	ER1-130C-POCL	ER1-200C-POCL	ER1-310C-POCL
帧率 v.s. 分辨率 (Frame Rate)	QXGA (2048×1536)	—	—	—	12fps
	UXGA (1600×1200)	—	—	20fps	20fps
	SXGA (1280×1024)	30fps	30fps	28fps	28fps
	XGA (1024×768)	45fps	45fps	45fps	45fps
	VGA (640×480)	100fps	100fps	100fps	100fps
同步方式 (Sync Type)		内同步/外触发/外同步 Internal Free-run / Trig / Ext. Sync			
快门范围 (Shutter Time)		10μs - 1s	10μs - 1s	10μs - 1s	10μs - 1s
数据输出 (Output Format)		8bit / 10bit	8bit / 10bit	8bit / 10bit	8bit / 10bit
供电 (Power Supply)		POCL Camera Link Base Power Supply			
尺寸 (Dimension)		50mm(W) × 50mm(H) × 72.3mm(L) (include C-type lens mount)			
重量 (Mass)		300g (include C-type lens mount)			