

EoSens CoaXPress-12

EoSens9.5CCX12-M58

Preliminary product information. Features and technical specifications are subject to change without notice.

常规

型号	EoSens9.5CCX12-M58
产品代码	F006224
产品系列	EoSens CoaXPress-12
状态	Prototype/engineering sample

传感器

传感器类型	Area scan
色度	Color
光谱	Visible
光谱范围	380 nm to 1000 nm
分辨率	4,096 × 2,304 (9.50 MP)
传感器型号	Luxima LUX9506
传感器架构 (材料)	cmos
快门类型	Global shutter (GS)
传感器尺寸	26.62 × 14.98 mm (30.55 mm, Type 2)
像素尺寸	6.50 μm × 6.50 μm

像素格式

传感器位深度	8-bit, 10-bit, 12-bit
RGB像素格式	bayer8, bayer10, bayer12

时序与增益

最大帧率	503 fps
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时序与增益

最大帧率 ROI模式	4096 x 2304 503 fps, 1920 x 1080 2243 fps, 1280 x 720 4898 fps, 640 x 480 13498 fps, 4096 x 100 11039 fps, 512 x 512 15767 fps, 512 x 8 225000 fps,
曝光时间	2 μ s to 40.00 ms
增益	0.0 dB to 12.0 dB

I/O与电源

非电气隔离IO	1 x LVDS input, 1 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 2 x Open drain output,
特定非电气隔离IO	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
光电隔离线路	0 x Optical isolated input, 0 x Optical isolated input,
I/O接口	12-pin Hirose HR10A-10P-12S
电源供应	Power over CoaXPress only
功耗	21 W (typical)

工作条件

工作温度 (外壳)	-10 °C to 60 °C
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机械特性

机身尺寸 (L x W x H mm)	57 x 80 x 80
IP防护等级	IP30
镜头接口	M58x0.75
重量	630 g

接口

数字接口	cxp-12 with 4 connections
接口连接器	(micro-BNC)
视觉标准	CoaXPress 2.0

固件功能 - 图像控制

曝光模式	external
增益模式	digital, analog
图像控制功能	roi, mirror-image, dpc, shading-correction

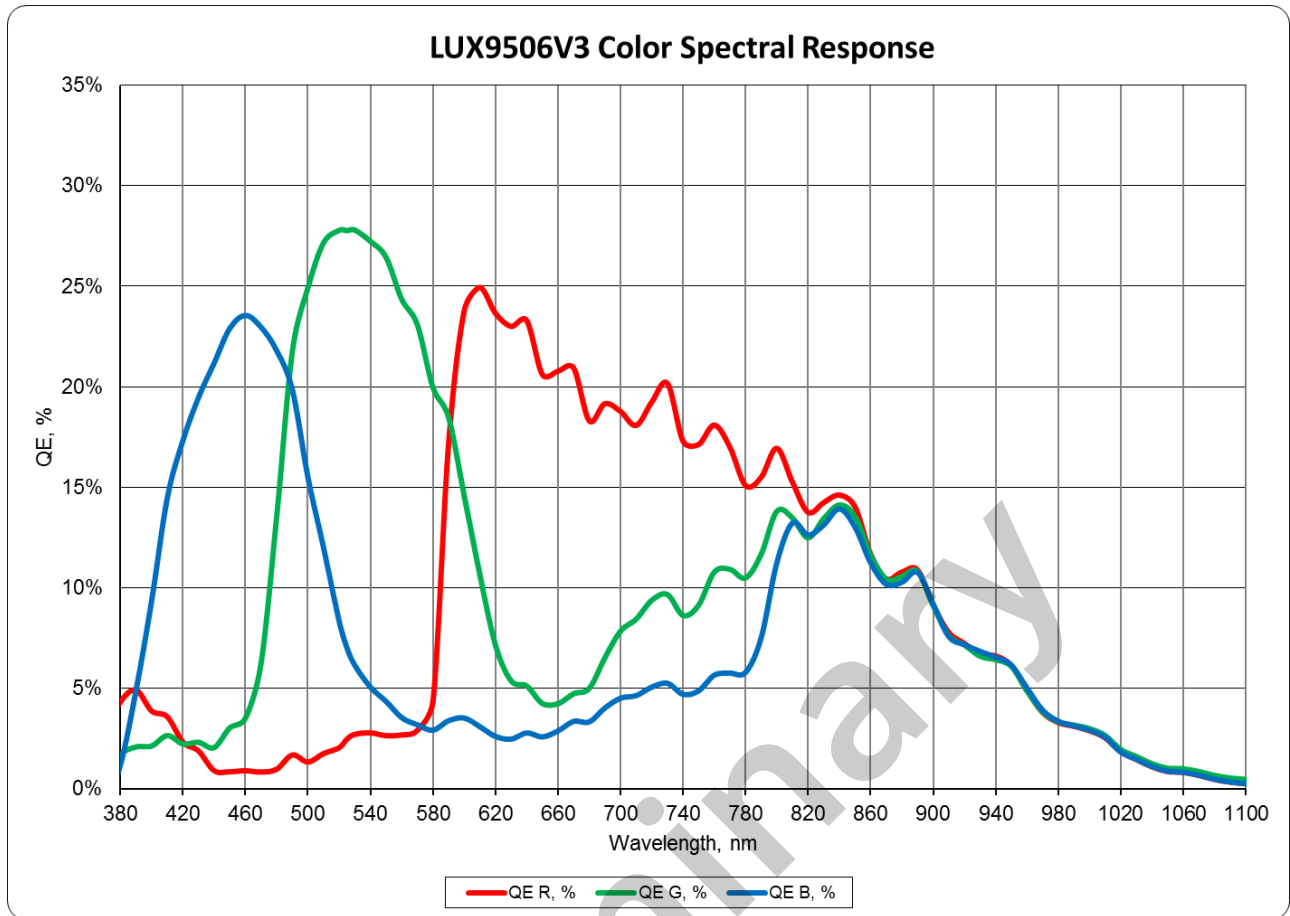
固件功能 - 相机控制

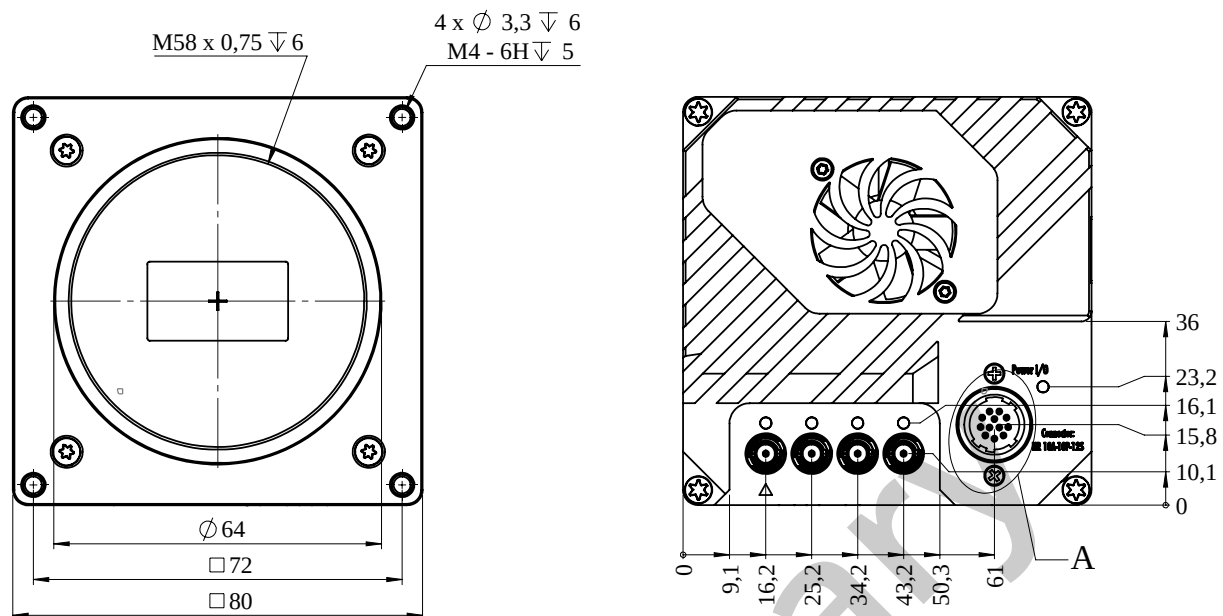
触发模式/同步

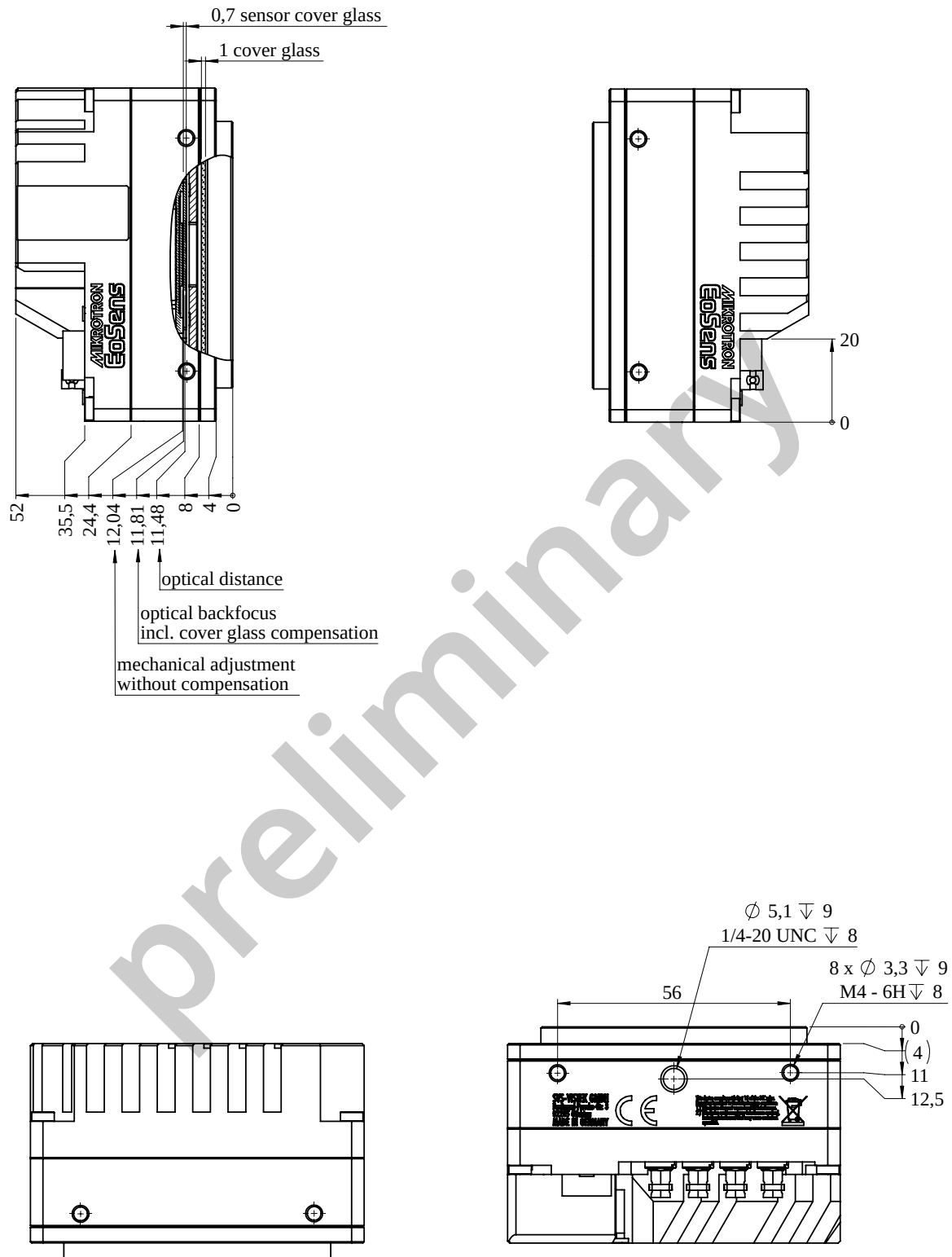
external, trigger-over-cxp

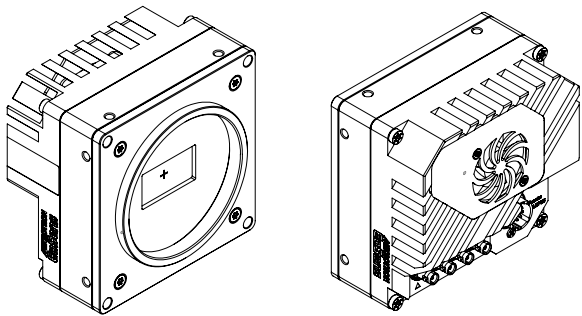
preliminary

Quantum Efficiency

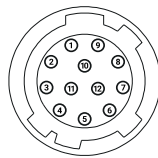








I/O pin assignment

	Pin	Signal	Pin	Signal
	1	V _{out1} ⁻ (GND)	7	OUT 1 (open drain)
	2	V _{out1} ⁺ (24 V)	8	OUT 2 (open drain)
	3	IN 4 Rx/D (RS 232)	9	LVDS Input P
	4	OUT 4 Tx/D (RS 232)	10	LVDS Input N
	5	IN 1 (0-24 V)	11	LVDS Output P
	6	IN 2 (0-24 V)	12	LVDS Output N