



EoSens CoaXPress-12

EoSens21CCX12-FF

Generale

Modello	EoSens21CCX12-FF
Codice prodotto	F006225
Serie di prodotti	EoSens CoaXPress-12
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Color
Spettro	Visible
Gamma spettrale	350 nm to 1000 nm
Risoluzione	5,120 × 4,096 (21.00 MP)
Modello sensore	Gpixel GSPRINT4521
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Global shutter (GS)
Dimensione sensore	23.04 × 18.43 mm (29.51 mm, Type APS-C)
Dimensione pixel	4.50 µm × 4.50 µm

Formati pixel

Profondità bit sensore	8-bit, 10-bit, 12-bit
Formati pixel RGB	bayer8, bayer10, bayer12

Tempi e guadagno

Frequenza fotogrammi max.	230 fps
Frequenza fotogrammi max. modalità ROI	5120 x 4096 230 fps, 5120 x 3072 305 fps, 5120 x 1024 891 fps, 5120 x 128 5540 fps, x 12560 fps,
Tempo di esposizione	4 µs to 1 s
Guadagno	0.0 dB to 12.0 dB

I/O e alimentazione

Linee non isolate	0 x LVDS input, 0 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 0 x Open drain output,
Linee non isolate specifiche	0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output,
Linee otticamente isolate	0 x Optical isolated input, 0 x Optical isolated input,
Connettore I/O	12-pin Hirose HR10A-10P-12S
Alimentazione	12 to 24VDC
Consumo energetico	External: 21 W (typical)

Condizioni operative

Temperatura operativa (Custodia)	-10 °C to 60 °C
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Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	47 × 80 × 80
Vetro filtro/protezione	UV/IR Filter
Classe IP	IP30
Attacco/i obiettivo	Flat Front
Peso	630 g

Interfacce

Interfaccia digitale	cxp-12 with 4 connections
Connettore interfaccia	(micro-BNC)
Standard Vision	CoaXPress 2.0

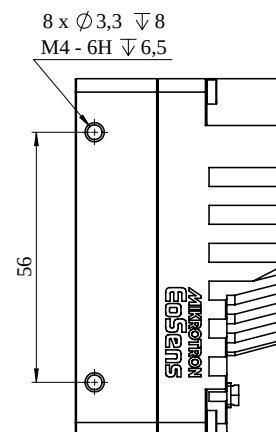
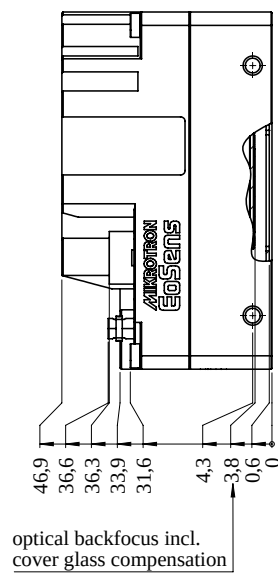
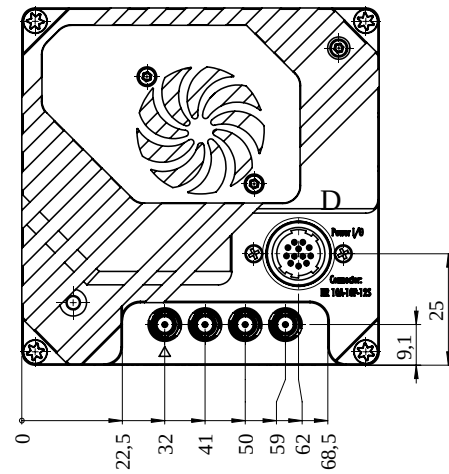
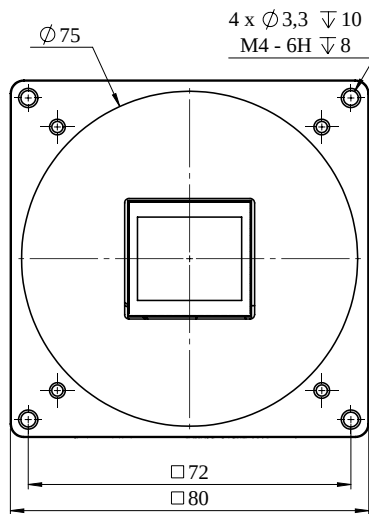
Funzioni FW – Controllo immagine

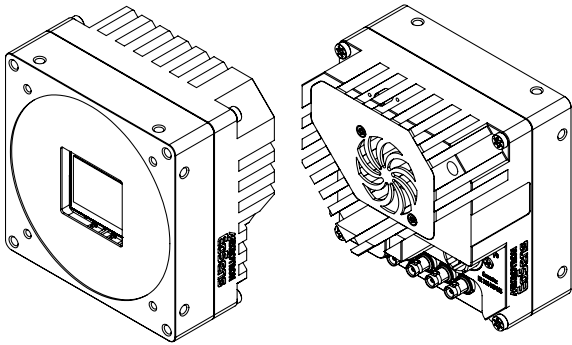
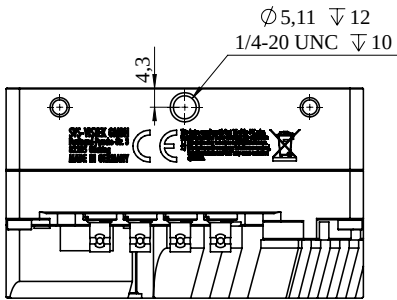
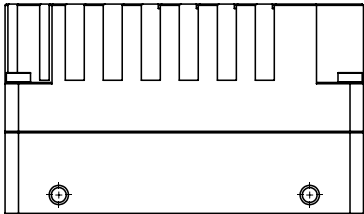
Modalità di esposizione	external
Modalità di guadagno	digital, analog
Modalità di bilanciamento del bianco	true
Funzioni di controllo immagine	roi, mirror-image

Efficienza quantica

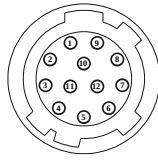


Disegno tecnico





Assegnazione pin I/O

	Pin	Signal	Pin	Signal
	1 + 12	GND	6	IN0
	2 + 11	VCC (12 - 24 V)	7	IO _{GND}
	3	IO _{GND}	8	OUT1
	4	OUT0	9	IO _{GND}
	5	IO _{GND}	10	IN1