

EoSens CoaXPress-12

EoSens10CCX12-M42

Generale

Modello	EoSens10CCX12-M42
Codice prodotto	F006232
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	4,608 × 2,176 (10.00 MP)
Modello sensore	Gpixel GSPRINT4510
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Global shutter (GS)
Dimensione sensore	20.74 × 9.79 mm (22.93 mm, Type 4/3)
Dimensione pixel	4.50 µm × 4.50 µm

Formati pixel

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

Prestazioni di imaging

Gamma dinamica	68.8 dB
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Tempi e guadagno

Frequenza fotogrammi max.	482 fps
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Tempi e guadagno

Frequenza fotogrammi max. modalità ROI	4608 x 2176 478 fps,
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Tempo di esposizione	1 μ s to 1 s
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Guadagno	0.0 dB to 12.0 dB
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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,
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Linee non isolate specifiche	0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output,
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Linee otticamente isolate	0 x Optical isolated input, 0 x Optical isolated input,
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Connettore I/O	12-pin Hirose HR10A-10P-12S
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Alimentazione	12 to 24VDC, Power over CoaXPress
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Consumo energetico	External: 20 W (typical)
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Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	55 x 80 x 80
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Vetro filtro/protezione	UV/IR Filter
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Classe IP	IP30
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Attacco/i obiettivo	M42x0.75
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Peso	630 g
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Interfacce

Interfaccia digitale	cxp-12 with 4 connections
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Connettore interfaccia	(micro-BNC)
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Funzioni FW – Controllo immagine

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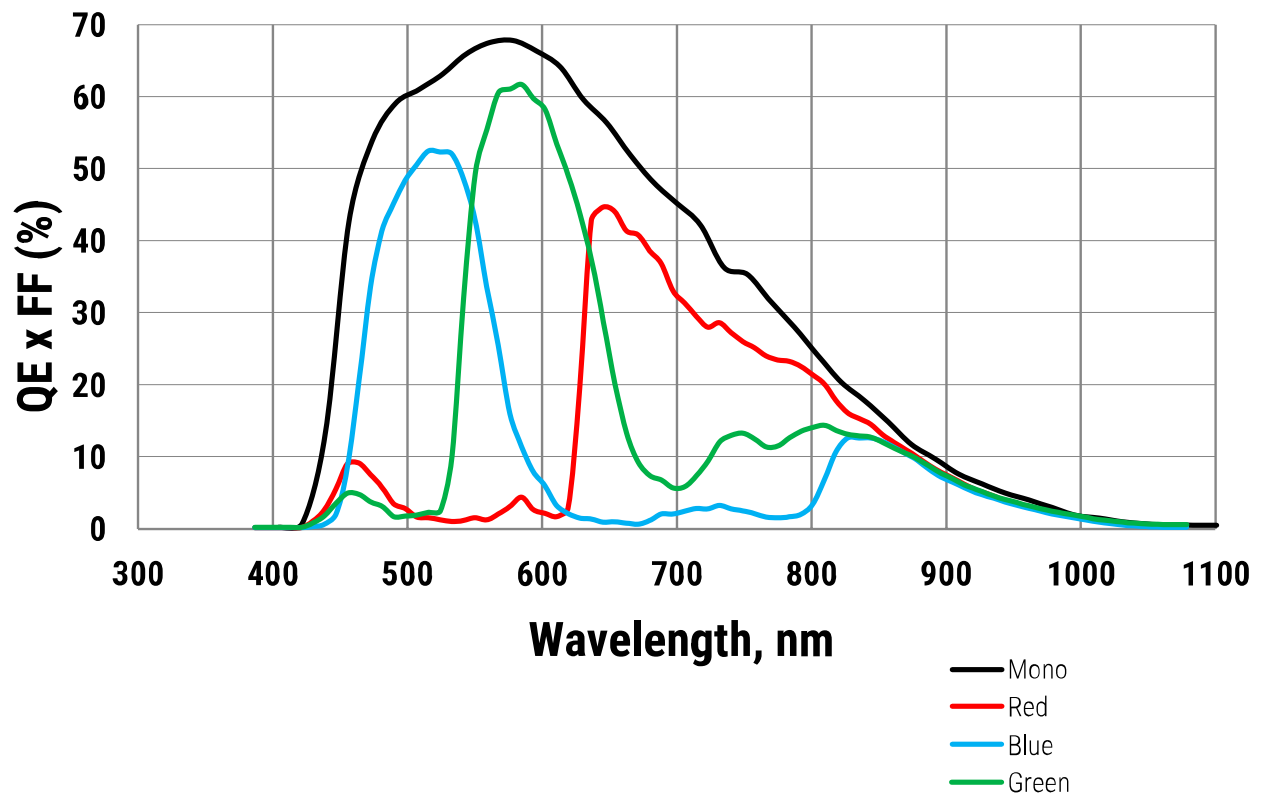
Modalità di bilanciamento del bianco	true
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Funzioni di controllo immagine	roi, mirror-image
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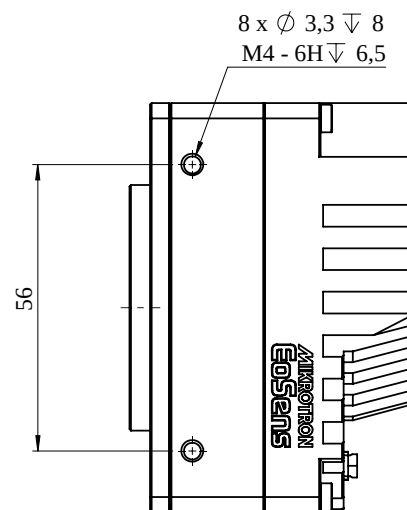
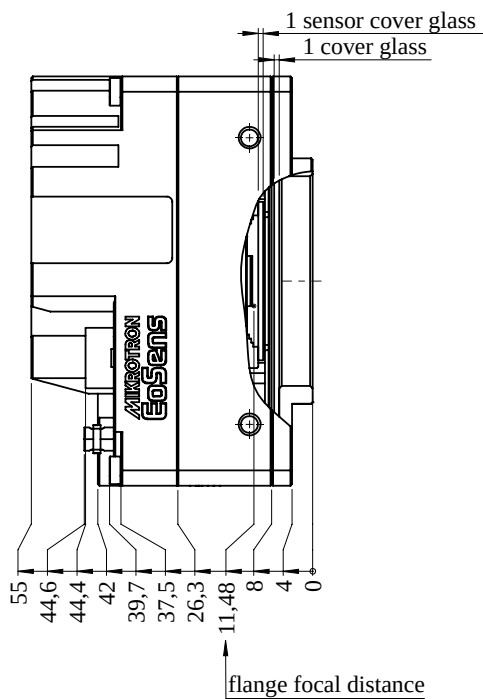
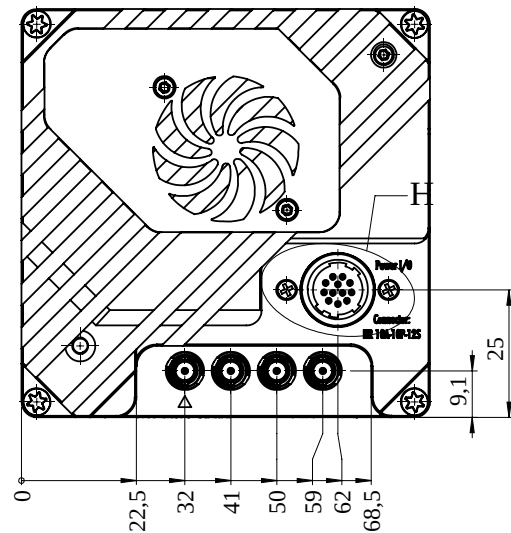
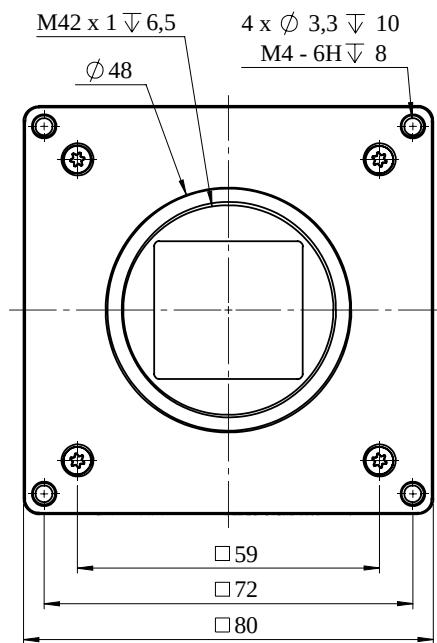
Funzioni FW – Controllo fotocamera

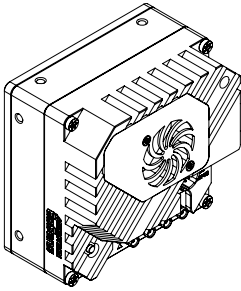
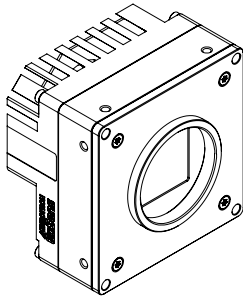
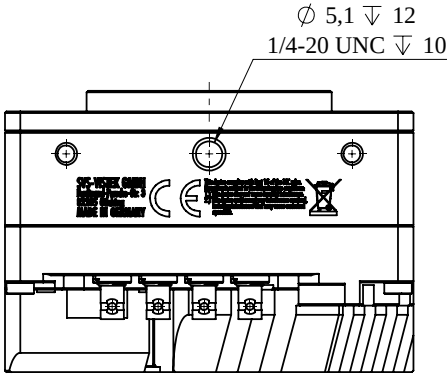
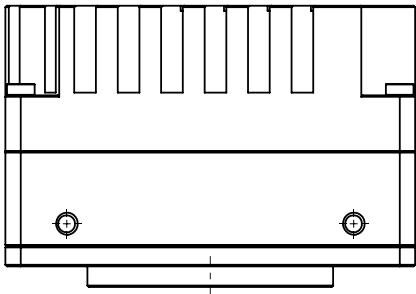
Modalità di trigger/sincronizzazione	external, trigger-over-cxp
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Efficienza quantica

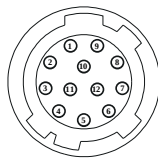


Disegno tecnico





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