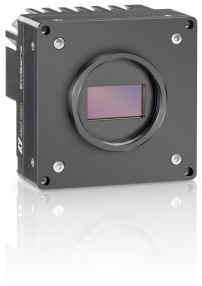
Allied Vision



EoSens CoaXPress-12

EoSens10MCX12-M42

Generale

Modello	EoSens10MCX12-M42
Codice prodotto	F006231
Serie di prodotti	EoSens CoaXPress-12
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Mono
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 monocromatici	mono8, mono12

Prestazioni di imaging

Gamma dinamica	68.8 dB

Tempi e guadagno

Frequenza fotogrammi max.	482 fps

Tempi e guadagno

Frequenza fotogrammi max. modalità ROI	4608 x 2176 | 478 fps,
Tempo di esposizione	1 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, Power over CoaXPress
Consumo energetico	External: 20 W (typical)

Condizioni operative

Temperatura operativa	-10 °C to 65 °C (ambiente, senza condensa)

Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	55 × 80 × 80
Classe IP	IP30
Attacco/i obiettivo	M42x0.75
Peso	630 g

Interfacce

Interfaccia digitale	cxp-12 with 4 connections
Connettore interfaccia	(micro-BNC)

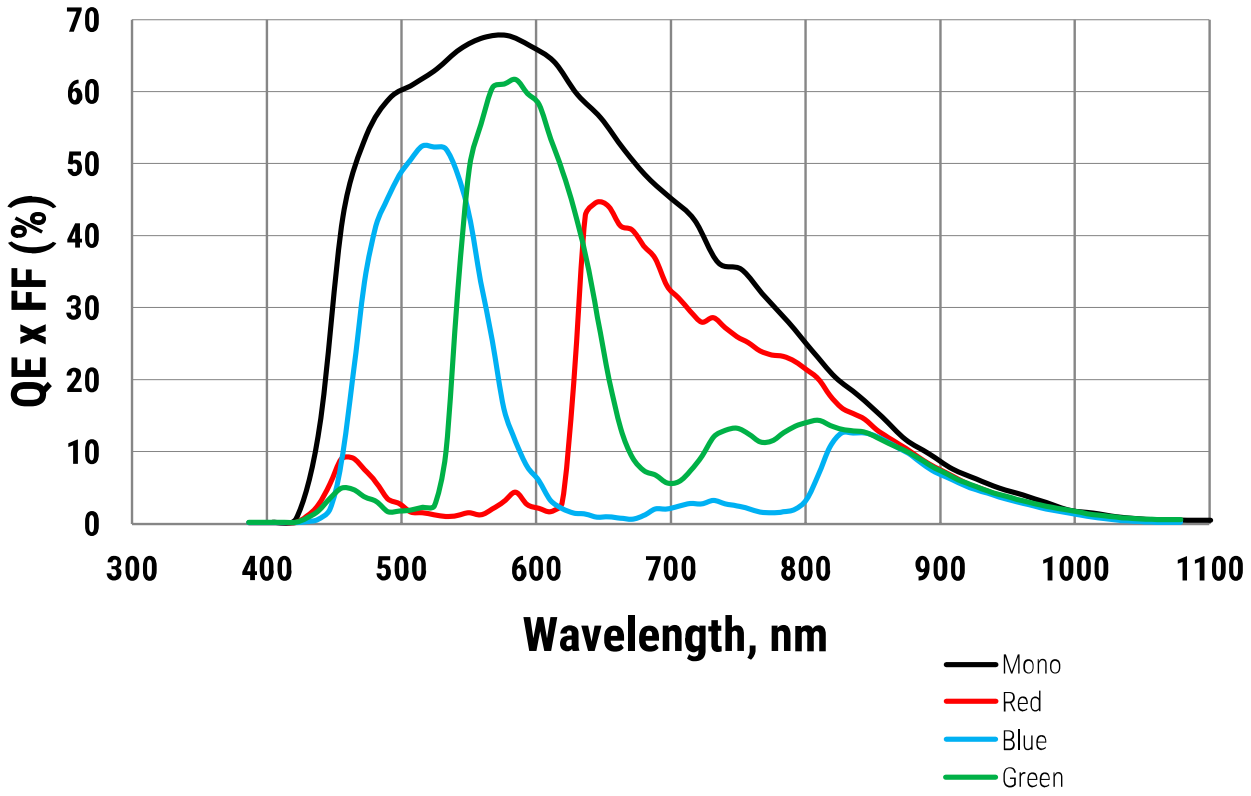
Funzioni FW – Controllo immagine

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

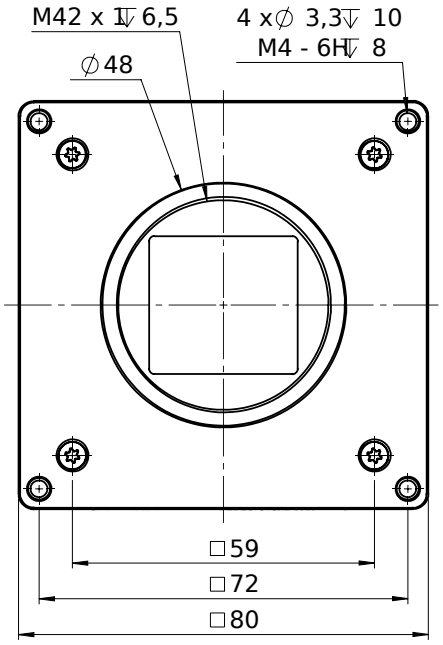
Funzioni FW – Controllo fotocamera

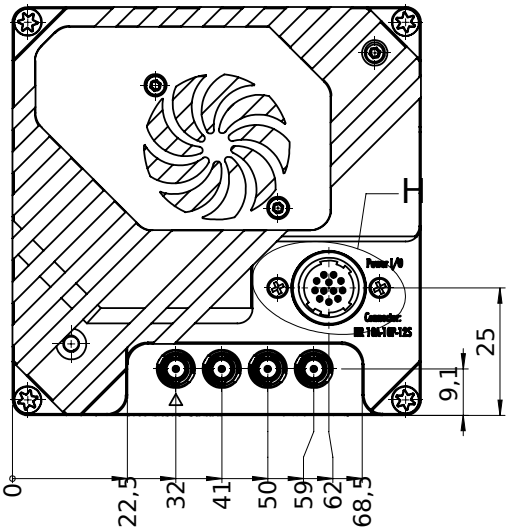
Modalità di trigger/sincronizzazione	external, trigger-over-cxp

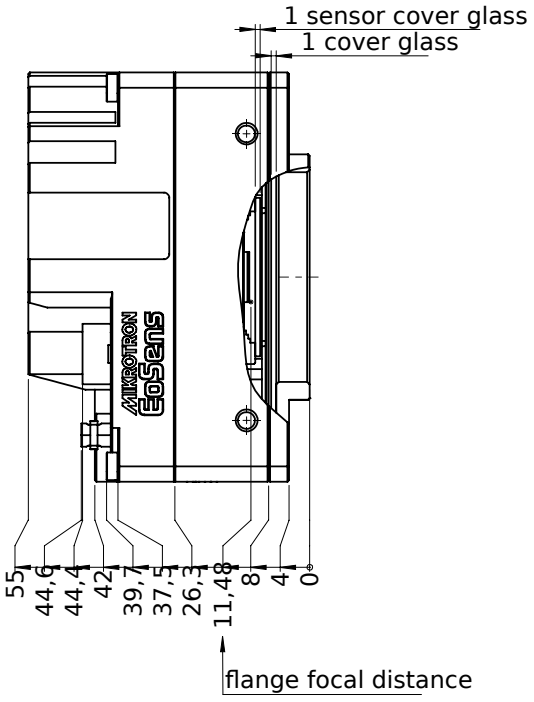
Efficienza quantica

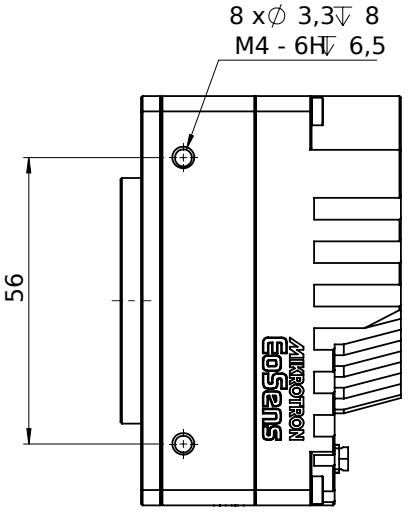


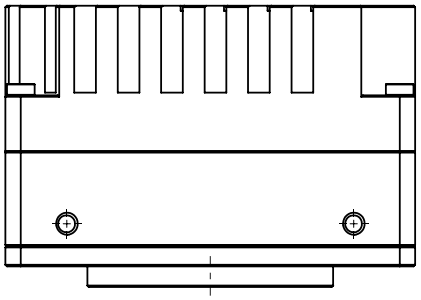
Disegno tecnico

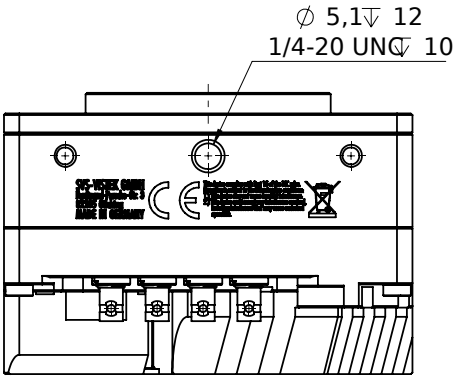


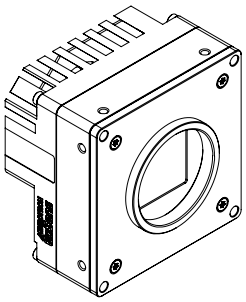


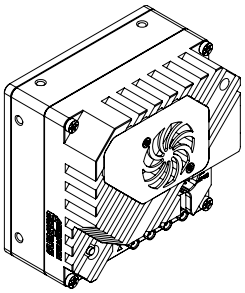




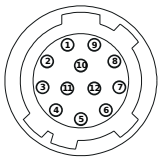








Assegnazione pin I/O



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