Allied Vision



EoSens CoaXPress-12

EoSens21MCX12-FM

Generale

Modello	EoSens21MCX12-FM
Codice prodotto	F006011
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	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 monocromatici	mono8, mono10, mono12

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	-10 °C to 45 °C (ambiente, senza condensa)

Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	93 × 80 × 80
Classe IP	IP30
Attacco/i obiettivo	F-Mount
Peso	630 g

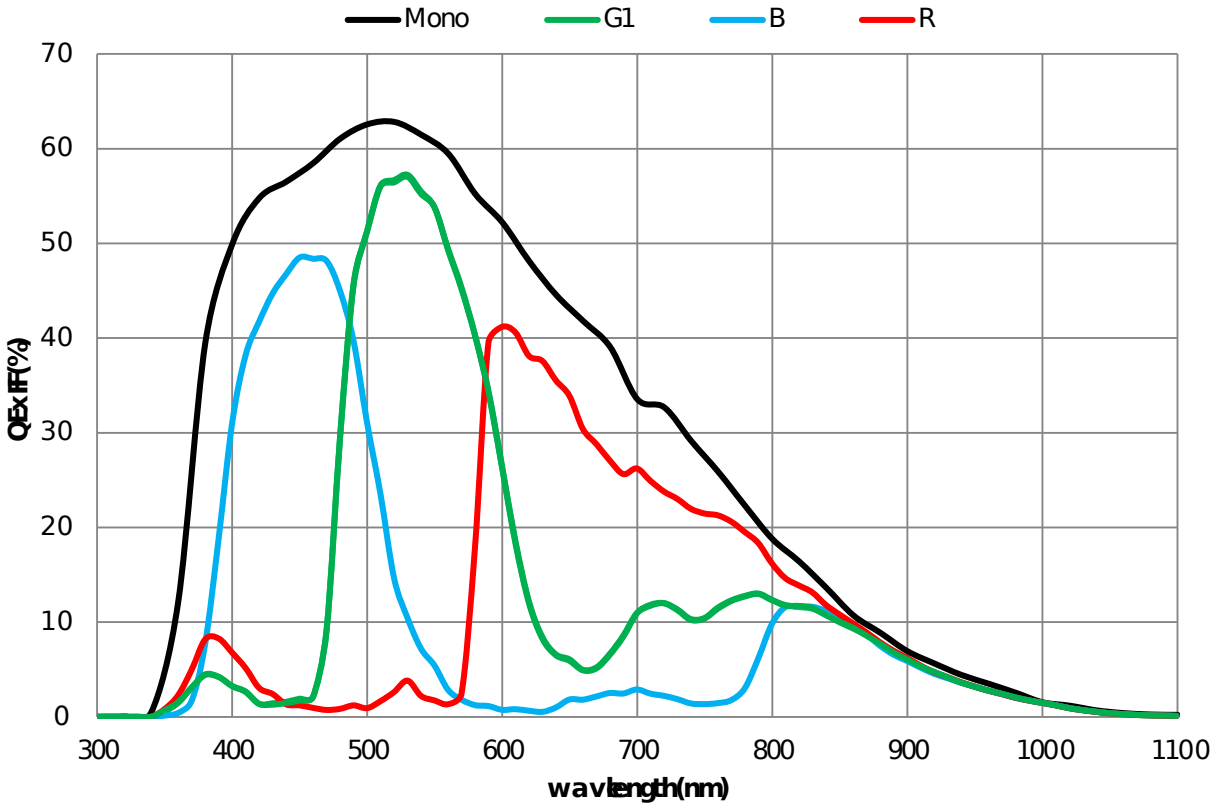
Interfacce

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

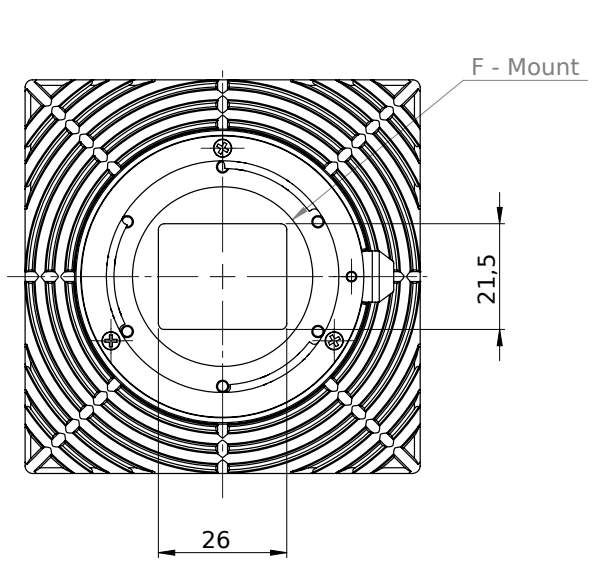
Funzioni FW – Controllo immagine

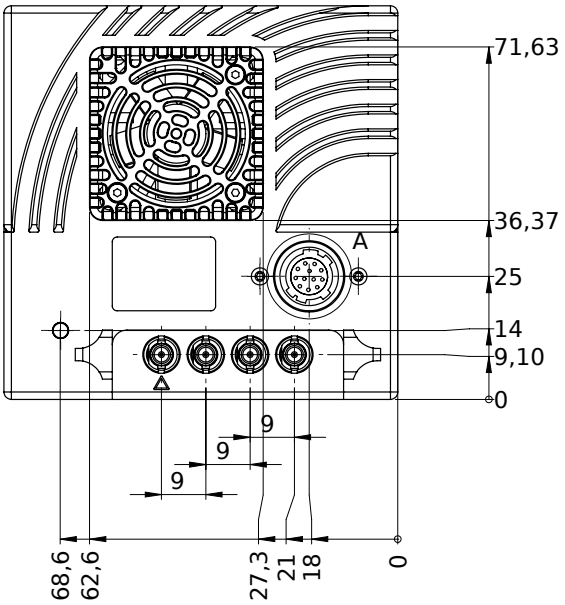
Modalità di esposizione	external
Modalità di guadagno	digital, analog
Modalità di bilanciamento del bianco	true
Funzioni di controllo immagine	roi, mirror-image

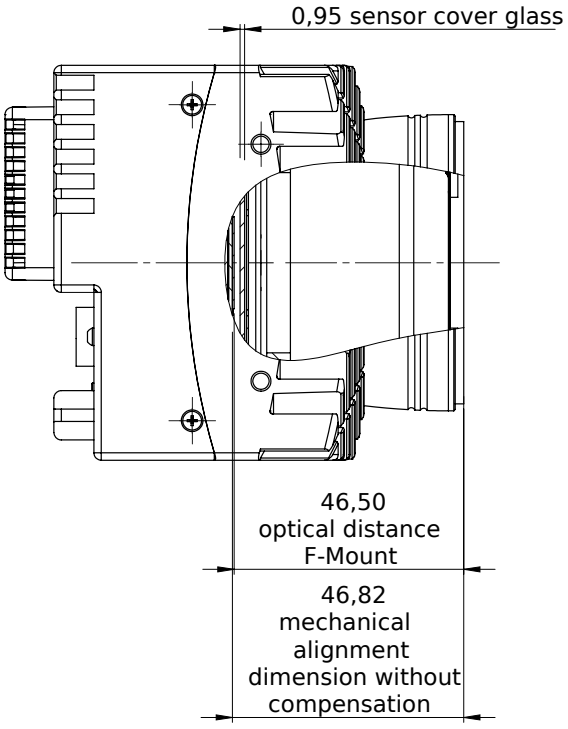
Efficienza quantica

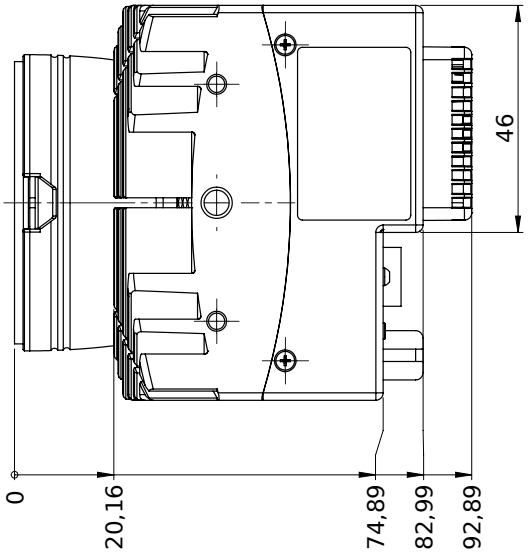


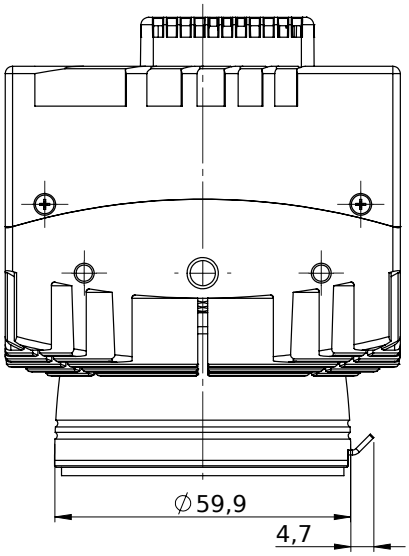
Disegno tecnico

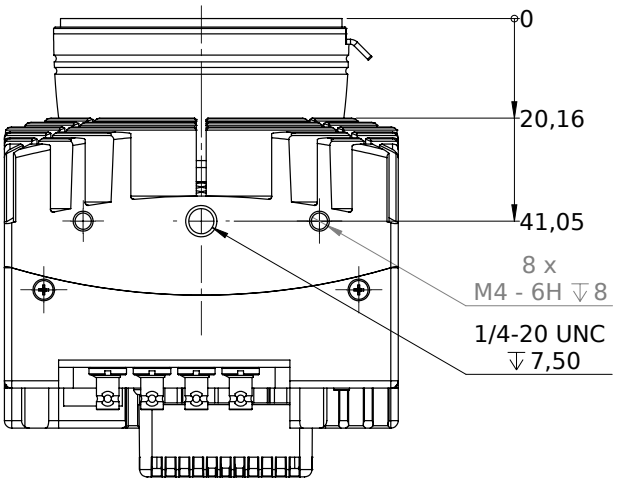


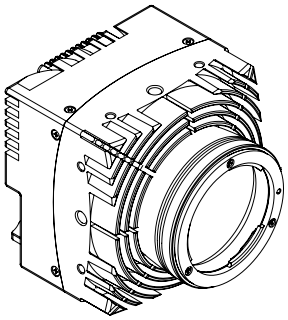


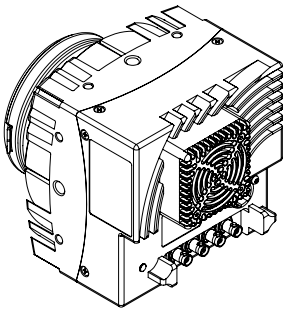




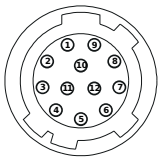








Assegnazione pin I/O



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