Allied Vision



EoSens CoaXPress-12

EoSens2.0MCX12-FM

Allgemein

Modell	EoSens2.0MCX12-FM
Produktcode	F006008
Produktserie	EoSens CoaXPress-12
Status	Available

Sensor

Sensortyp	Area scan
Chroma	Mono
Spektrum	Visible
Spektralbereich	400 nm to 1000 nm
Auflösung	1,920 × 1,080 (2.00 MP)
Sensormodell	Luxima Lux19HS
Sensorarchitektur (Material)	cmos
Verschlusstyp(en)	Global shutter (GS)
Sensorgröße	19.2 × 10.8 mm (22.03 mm, Type 4/3)
Pixelgröße	10.00 µm × 10.00 µm

Pixelformate

Sensor-Bittiefe	8-bit, 10-bit
Monochrome Pixelformate	mono8, mono10

Timing und Verstärkung

Max. Bildrate	2247 fps
Max. Bildrate ROI-Modi	1920 x 1080 | 2247 fps, 1024 x 768 | 3152 fps, 640 x 480 | 5020 fps, 128 x 128 | 18177 fps, 1920 x 8 | 170578 fps, x | 170575 fps,
Belichtungszeit	2 µs to 1 s
Verstärkung	0.0 dB to 18.0 dB

I/Os und Stromversorgung

Nicht-isolierte Leitungen	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,
Spezifische nicht-isolierte Leitungen	0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output,
Optisch isolierte Leitungen	0 x Optical isolated input, 0 x Optical isolated input,
I/O-Anschluss	12-pin Hirose HR10A-10P-12S
Stromversorgung	12 to 24VDC, Power over CoaXPress
Stromverbrauch	External: 13 W (typical)

Betriebsbedingungen

Betriebstemperatur	-10 °C to 65 °C (Gehäuse)

Mechanische Eigenschaften

Gehäuseabmessungen (L x B x H in mm)	84 × 80 × 80
IP-Klasse	IP30
Objektivanschluss/-anschlüsse	F-Mount
Gewicht	550 g

Schnittstellen

Digitale Schnittstelle	cxp-12 with 4 connections
Schnittstellenanschluss	(micro-BNC)
Vision-Standard	CoaXPress 2.0

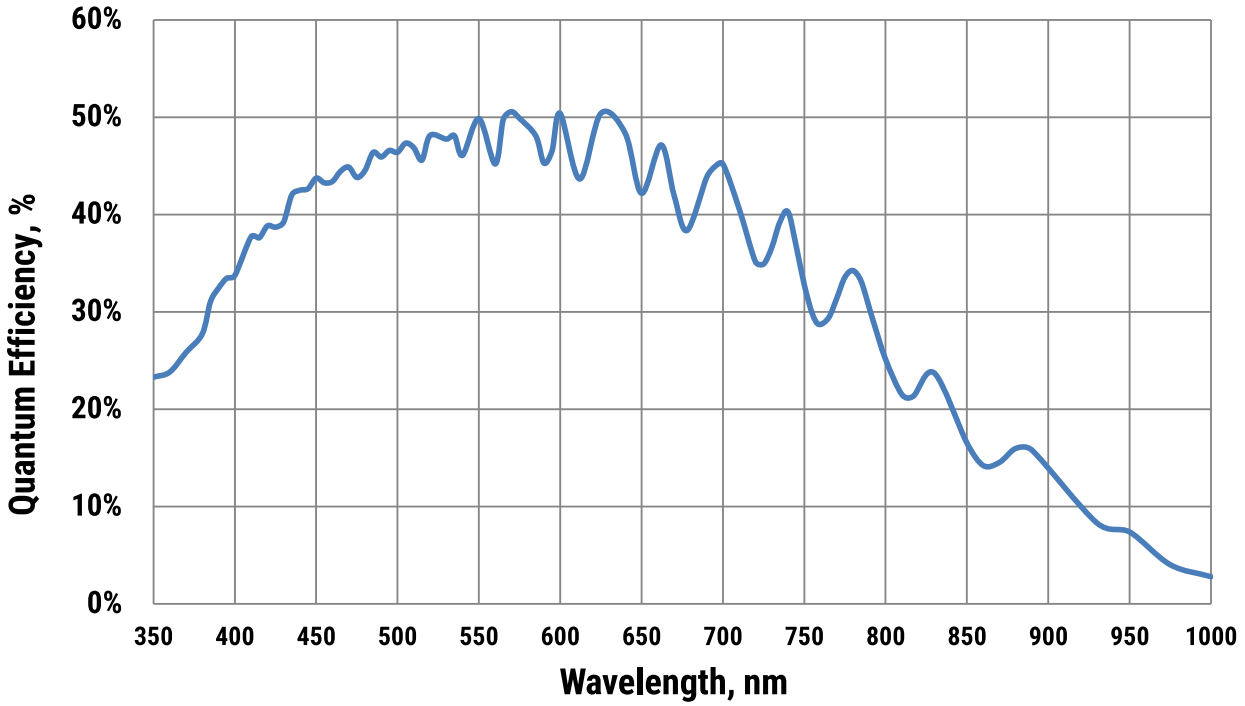
FW-Funktionen – Bildsteuerung

Belichtungsmodi	external
Verstärkungsmodi	digital, analog
Bildsteuerungsfunktionen	roi, mirror-image

FW-Funktionen – Kamerasteuerung

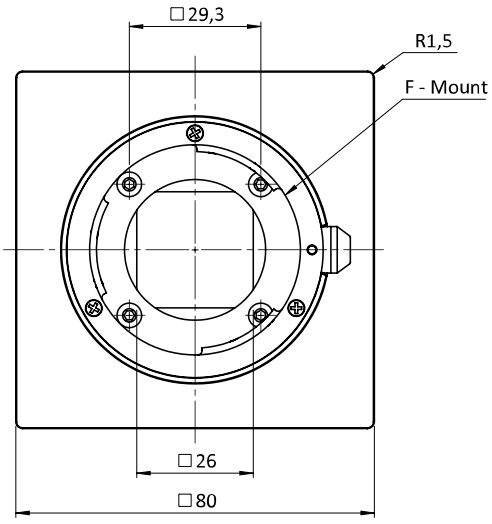
Triggermodi/Synchronisation	external, trigger-over-cxp

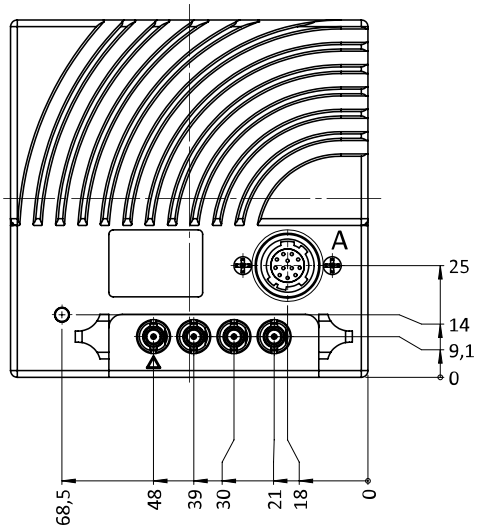
Quanteneffizienz

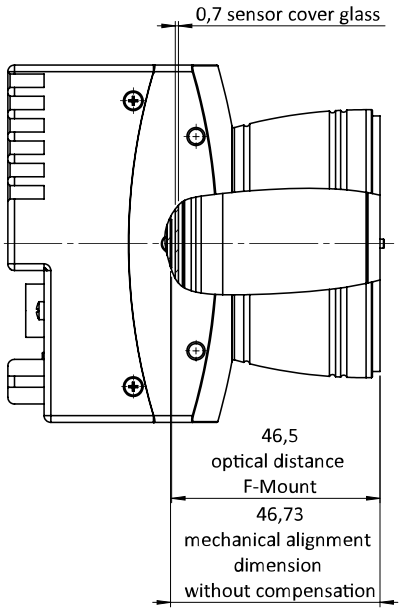


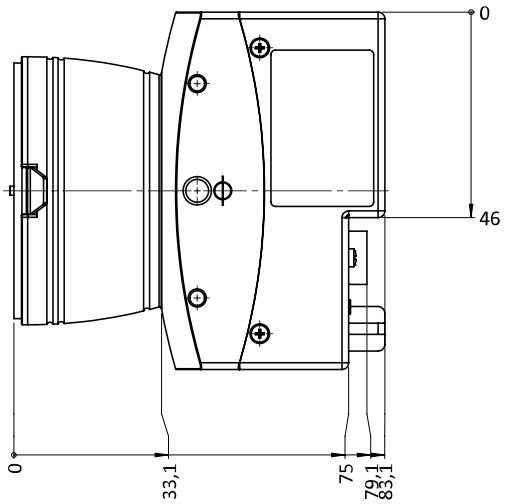
Allied Vision

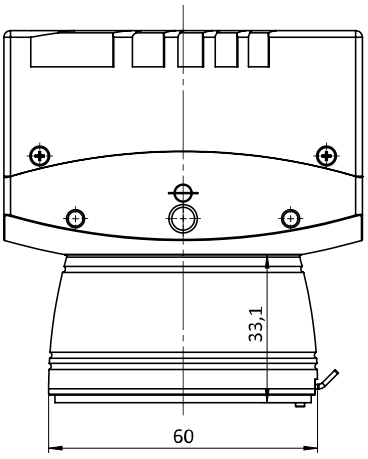
Technische Zeichnung

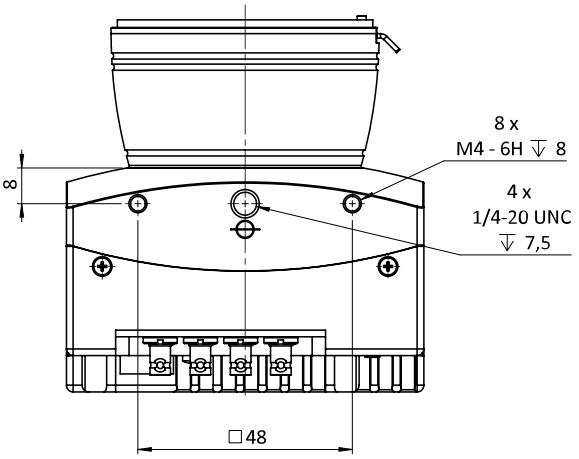


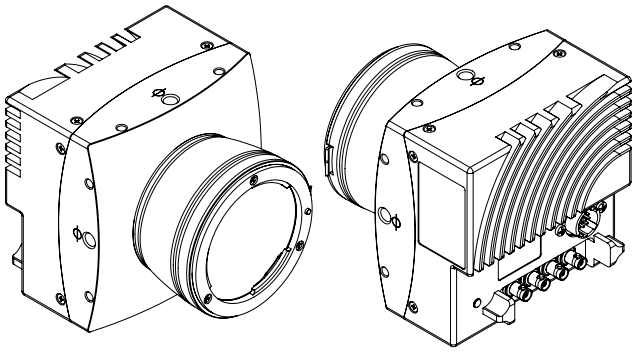




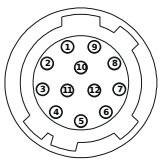








I/O-Pin-Belegung

	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