Allied Vision



EoSens CoaXPress-12

EoSens21MCX12-FM

Allgemein

Modell	EoSens21MCX12-FM
Produktcode	F006011
Produktserie	EoSens CoaXPress-12
Status	Available

Sensor

Sensortyp	Area scan
Chroma	Mono
Spektrum	Visible
Spektralbereich	350 nm to 1000 nm
Auflösung	5,120 × 4,096 (21.00 MP)
Sensormodell	Gpixel GSPRINT4521
Sensorarchitektur (Material)	cmos
Verschlusstyp(en)	Global shutter (GS)
Sensorgröße	23.04 × 18.43 mm (29.51 mm, Type APS-C)
Pixelgröße	4.50 µm × 4.50 µm

Pixelformate

Sensor-Bittiefe	8-bit, 10-bit, 12-bit
Monochrome Pixelformate	mono8, mono10, mono12

Timing und Verstärkung

Max. Bildrate	230 fps
Max. Bildrate ROI-Modi	5120 x 4096 | 230 fps, 5120 x 3072 | 305 fps, 5120 x 1024 | 891 fps, 5120 x 128 | 5540 fps, x | 12560 fps,
Belichtungszeit	4 µs to 1 s
Verstärkung	0.0 dB to 12.0 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
Stromverbrauch	External: 21 W (typical)

Betriebsbedingungen

Betriebstemperatur	-10 °C to 45 °C (Umgebung, nicht kondensierend)

Mechanische Eigenschaften

Gehäuseabmessungen (L x B x H in mm)	93 × 80 × 80
IP-Klasse	IP30
Objektivanschluss/-anschlüsse	F-Mount
Gewicht	630 g

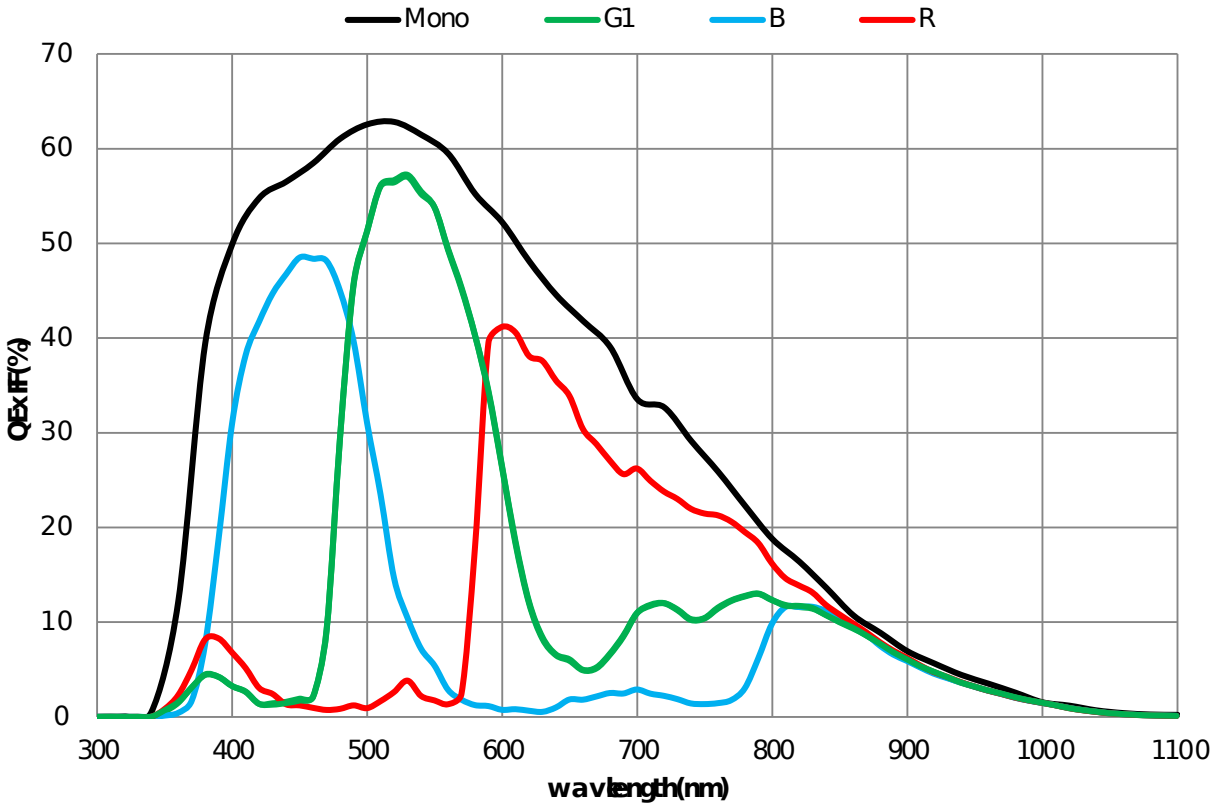
Schnittstellen

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

FW-Funktionen – Bildsteuerung

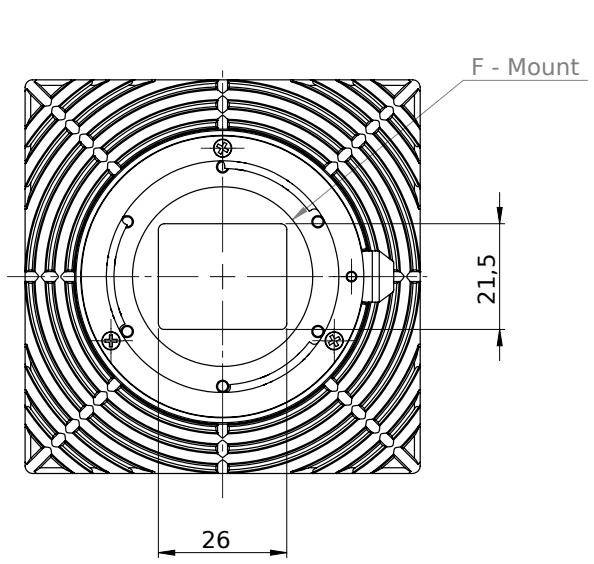
Belichtungsmodi	external
Verstärkungsmodi	digital, analog
Weißabgleichmodi	true
Bildsteuerungsfunktionen	roi, mirror-image

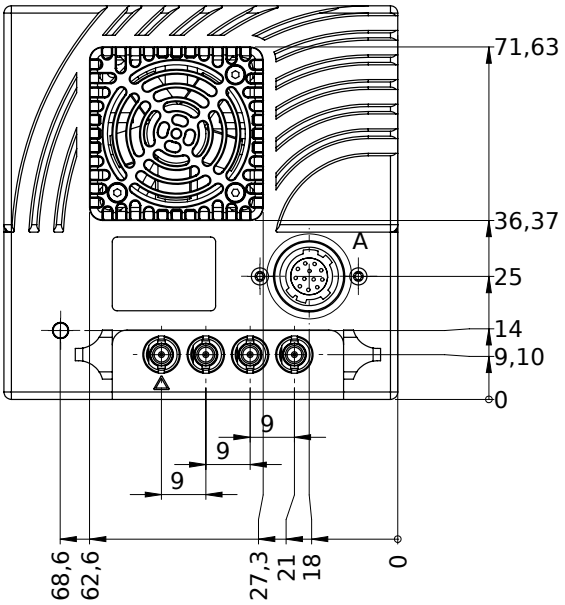
Quanteneffizienz

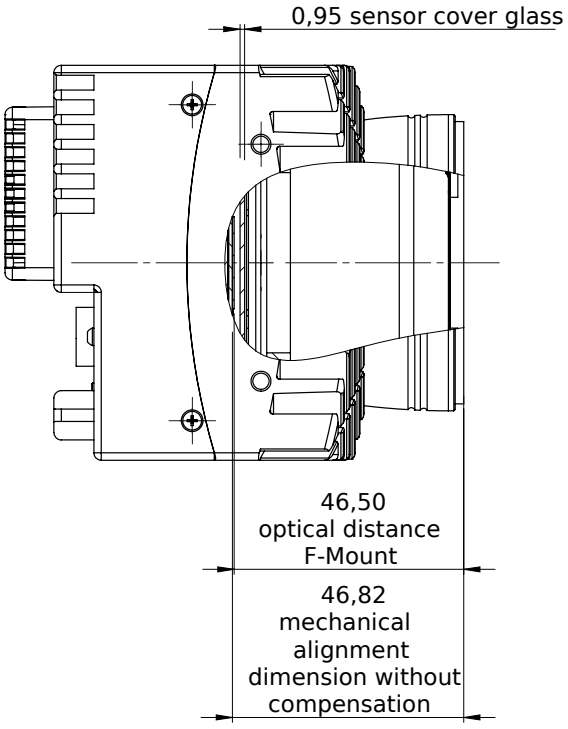


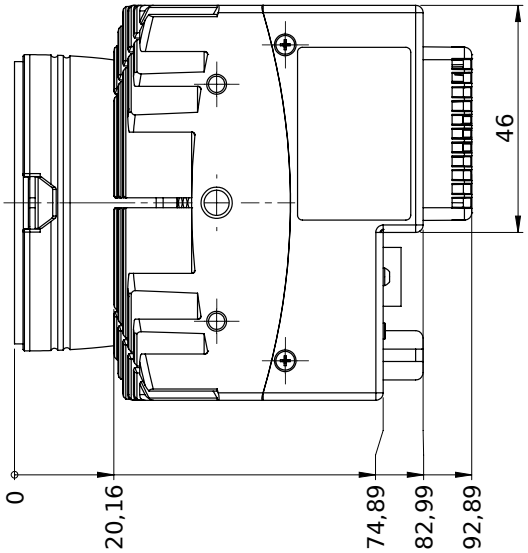
Allied Vision

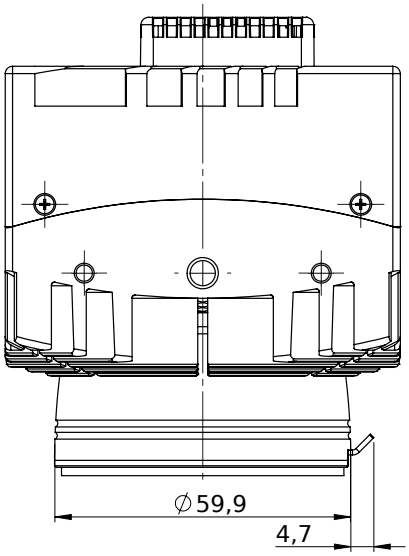
Technische Zeichnung

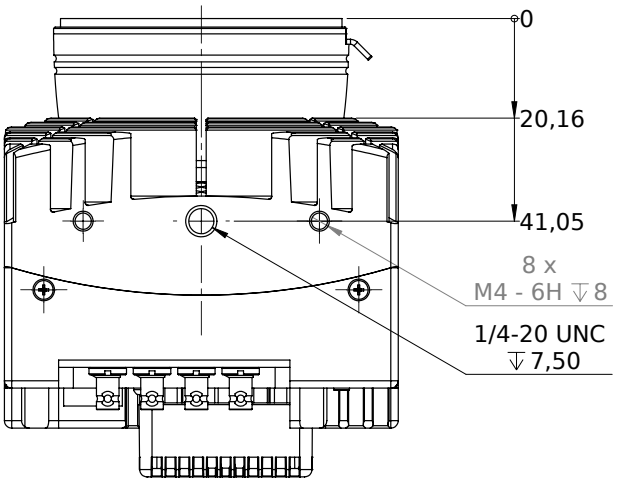


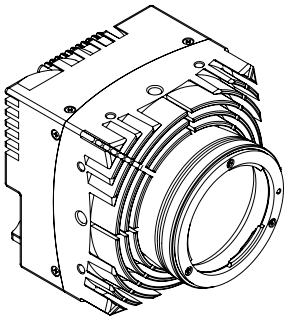


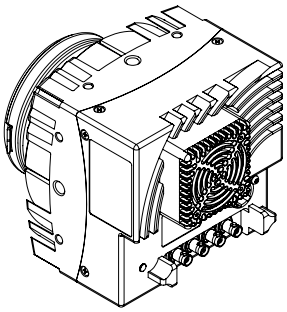




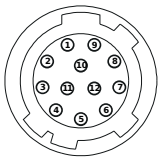








I/O-Pin-Belegung

	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