Allied Vision

FXO CoaXPress

fxo546MCX

Allgemein

Modell	fxo546MCX
Produktcode	F002154
Produktserie	FXO CoaXPress
Status	Available

Sensor

Sensortyp	Area scan
Chroma	Mono
Spektrum	Visible
Spektralbereich	400 nm to 1000 nm
Auflösung	2,832 × 2,840 (8.00 MP)
Sensormodell	Sony IMX546
Sensorarchitektur (Material)	cmos
Verschlusstyp(en)	Global shutter (GS)
Sensorgröße	7.76 × 7.78 mm (10.99 mm, Type 2/3)
Pixelgröße	2.74 µm × 2.74 µm

Pixelformate

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

Timing und Verstärkung

Max. Bildrate	88 fps
Belichtungszeit	7 µs to 60 s
Verstärkung	0.0 dB to 48.0 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, 4 x Open drain output,
Spezifische nicht-isolierte Leitungen	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
Optisch isolierte Leitungen	1 x Optical isolated input, 0 x Optical isolated input,
I/O-Anschluss	12-pin Hirose HR10A-10P-12S
Stromversorgung	10 to 25VDC, Power over CoaXPress
Stromverbrauch	External: 8 W (typical)

Betriebsbedingungen

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

Mechanische Eigenschaften

Gehäuseabmessungen (L x B x H in mm)	70 × 50 × 50
Filter-/Schutzglas	K9 - AR coating - 400-850nm
IP-Klasse	IP30
Objektivanschluss/-anschlüsse	C-Mount
Gewicht	240 g

Onboard-Speicher und FPGA

Nichtflüchtiger Speicher (Flash)	32 MByte

Schnittstellen

Digitale Schnittstelle	cxp-12 with 1 connection
Schnittstellenanschluss	(micro-BNC)
Vision-Standard	CoaXPress 2.0

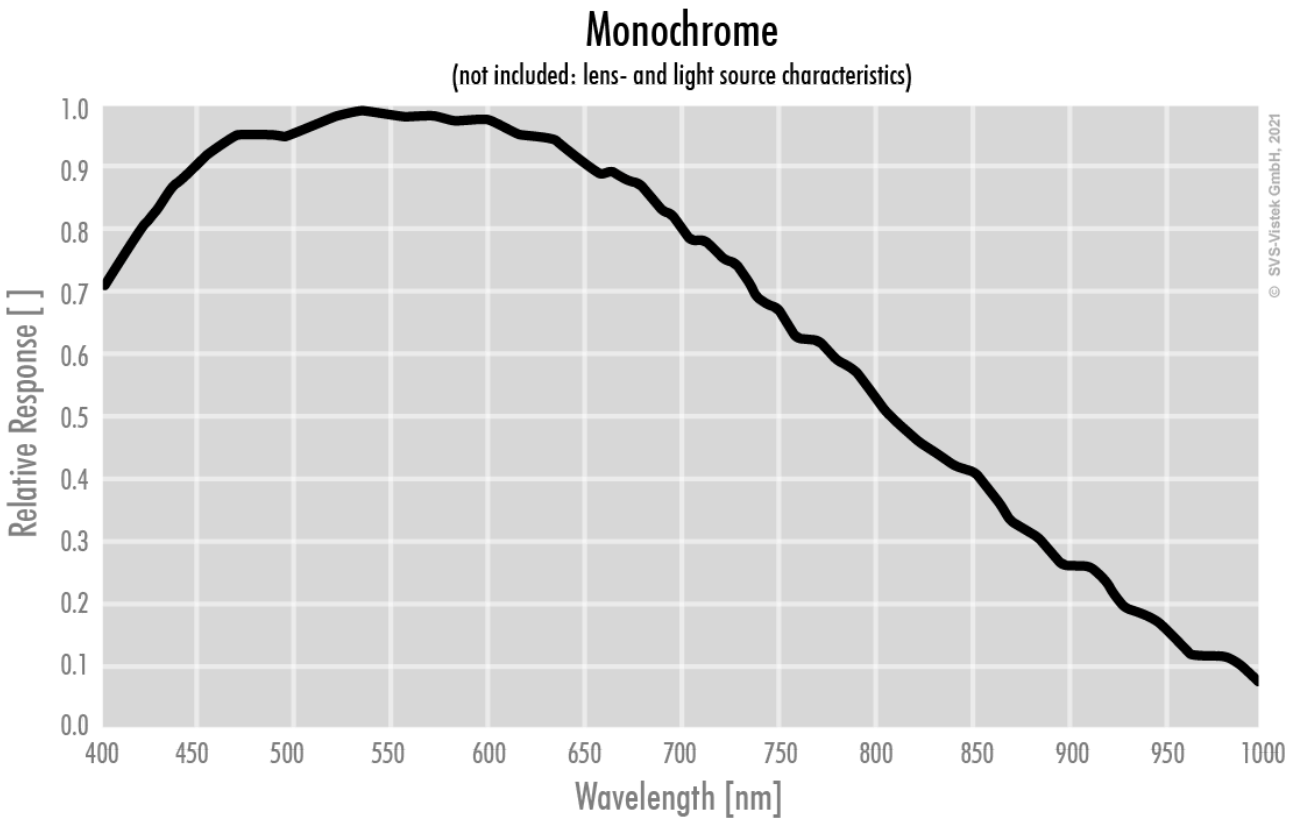
FW-Funktionen – Bildsteuerung

Belichtungsmodi	manual, auto, external
Verstärkungsmodi	auto, manual
Bildsteuerungsfunktionen	roi, lut, mirror-image, dpc, shading-correction, ffc

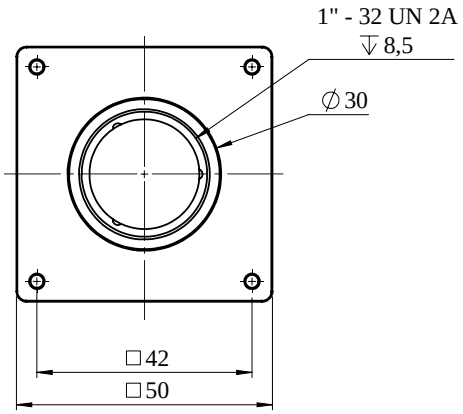
FW-Funktionen – Kamerasteuerung

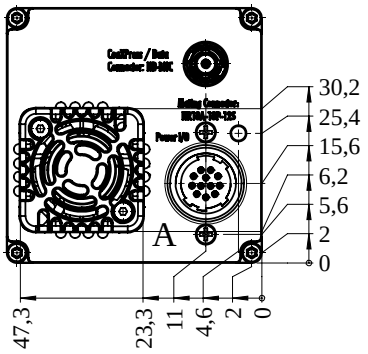
Triggermodi/Synchronisation	internal, software, external
Kamerasteuerungsfunktionen	PoCxP, User Sets, PWM(4), Sequencer,

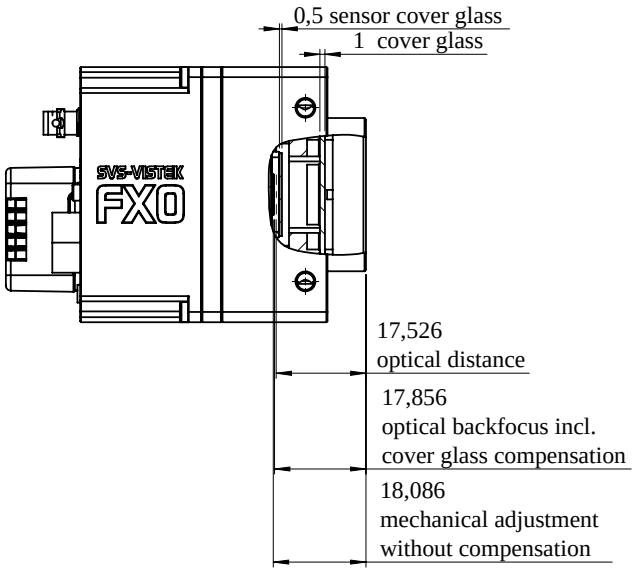
Quanteneffizienz

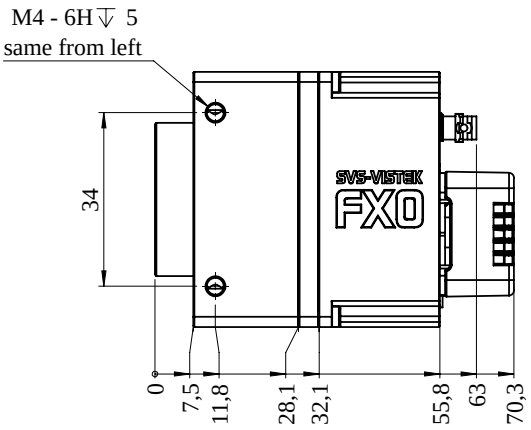


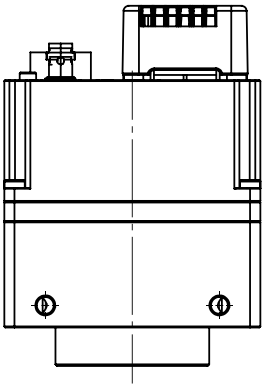
Technische Zeichnung

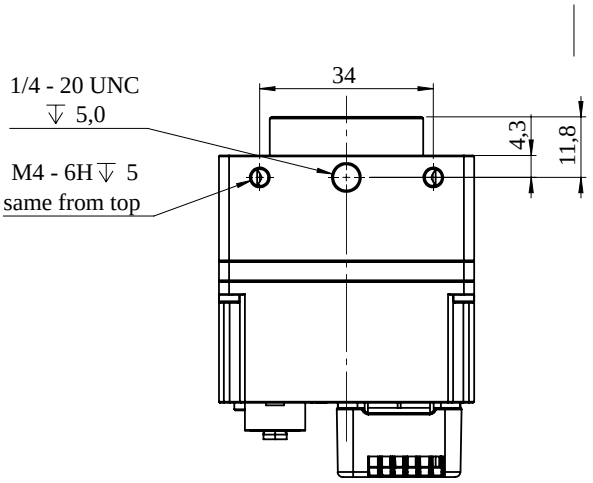


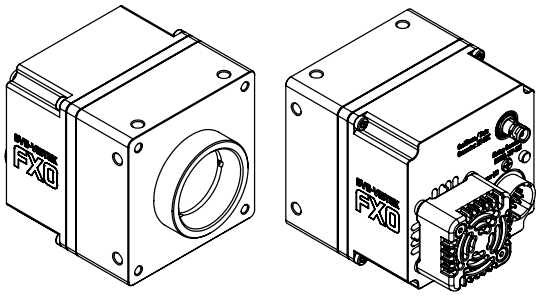






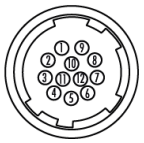






I/O-Pin-Belegung

Hirose 12 Pin



1	VIN –	(GND)	7	OUT 1	(open drain)
2	VIN +	(10 V to 25 V DC)	8	OUT 2	(open drain)
3	IN 4	(RXD RS232)	9	IN 3 +	(opto In +)
4	OUT 4	(TXD RS232)	10	IN 3 –	(opto In –)
5	IN 1	(0 - 24V)	11	OUT 3	(open drain)
6	IN 2	(0 - 24V)	12	OUT 0	(open drain)