Allied Vision

FXO SWIR

fxo992MCX

Allgemein

Modell	fxo992MCX
Produktcode	F002337
Produktserie	FXO SWIR
Status	Available

Sensor

Sensortyp	Area scan
Chroma	Mono
Spektrum	SWIR, Visible SWIR
Spektralbereich	400 nm to 1700 nm
Auflösung	2,560 × 2,048 (5.20 MP)
Sensormodell	Sony IMX992 | InGaAs
Sensorarchitektur (Material)	cmos
Verschlusstyp(en)	Global shutter (GS)
Sensorgröße	8.83 × 7.07 mm (11.31 mm, Type 1/1.4)
Pixelgröße	3.45 µm × 3.45 µm

Pixelformate

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

Timing und Verstärkung

Max. Bildrate	132.6 fps
Verstärkung	0.0 dB to 42.0 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/Os und Stromversorgung

I/O-Anschluss	12-pin Hirose HR10A-10P-12S
Stromversorgung	10 to 25VDC
Stromverbrauch	External: 7 W (typical)

Betriebsbedingungen

Betriebstemperatur (Gehäuse)	-10 °C to 60 °C

Mechanische Eigenschaften

Gehäuseabmessungen (L x B x H in mm)	70 × 50 × 50
IP-Klasse	IP30
Objektivanschluss/-anschlüsse	C-Mount
Gewicht	240 g

Onboard-Speicher und FPGA

Nichtflüchtiger Speicher (Flash)	32000 MByte

Schnittstellen

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

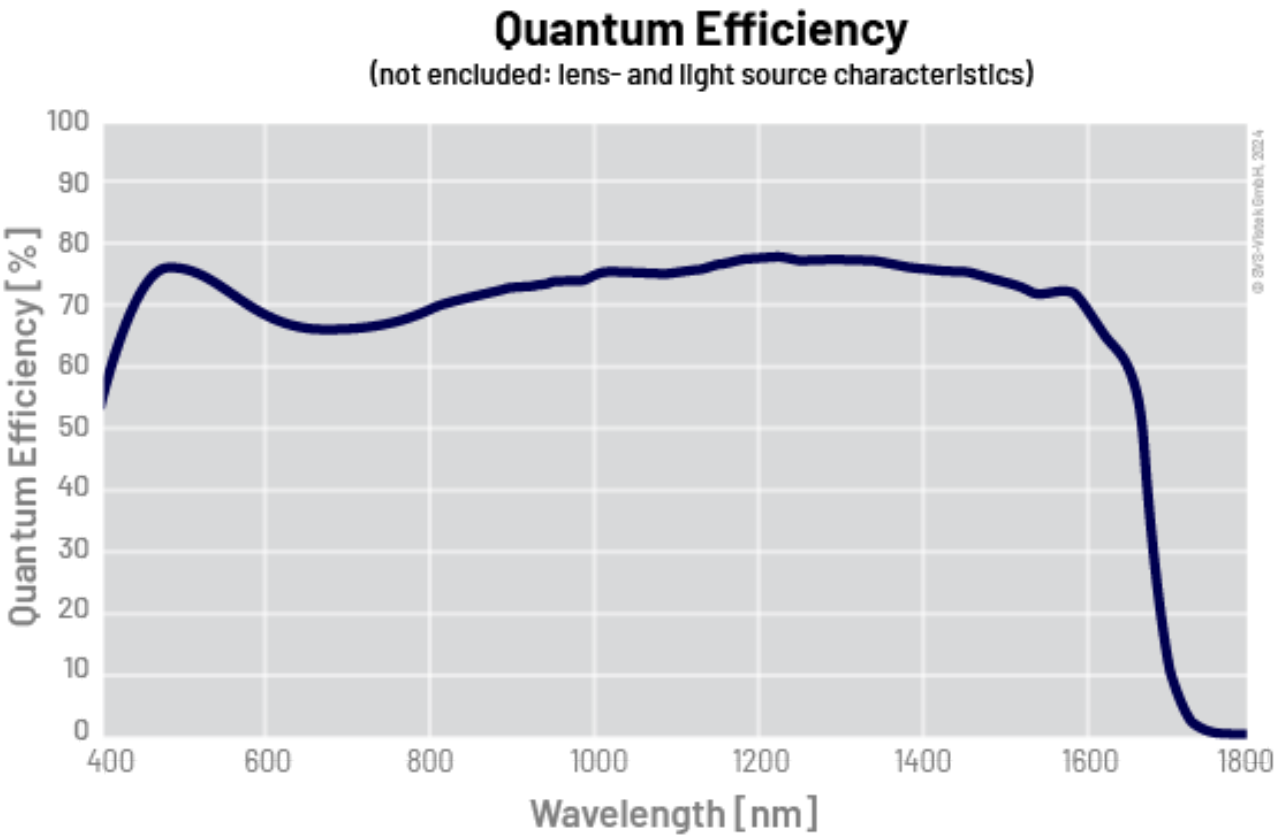
FW-Funktionen – Bildsteuerung

Belichtungsmodi	manual, auto
Verstärkungsmodi	auto, manual
Bildsteuerungsfunktionen	roi, lut, mirror-image, dpc, nuc, ffc, dopo

FW-Funktionen – Kamerasteuerung

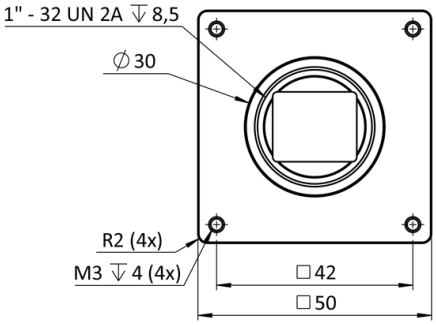
Triggermodi/Synchronisation	internal, software, external
Kamerasteuerungsfunktionen	User Sets, PWM(4), Sequencer,

Quanteneffizienz

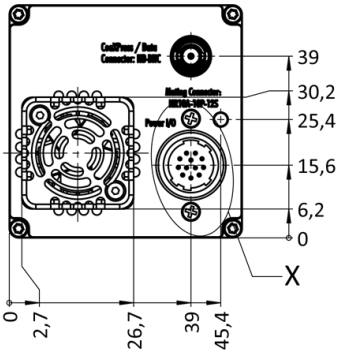


Technische Zeichnung

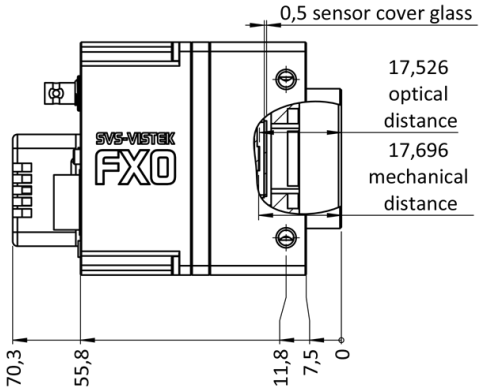
front



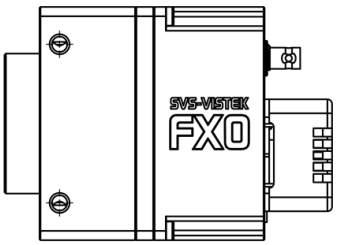
back



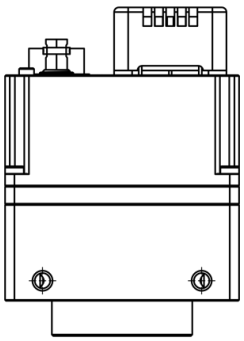
cross section



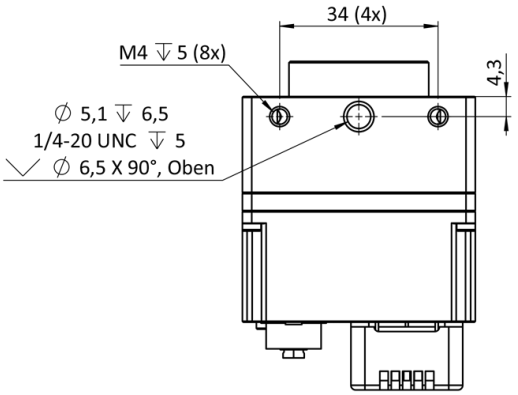
right side



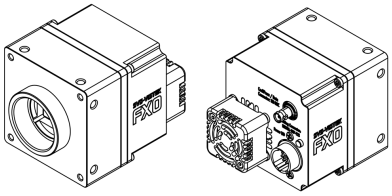
top



bottom

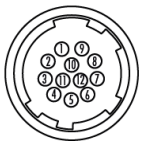


3D



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)