Allied Vision

SHR CoaXPress

shr461MCX

Allgemein

Modell	shr461MCX
Produktcode	F004086
Produktserie	SHR CoaXPress
Status	Available

Sensor

Sensortyp	Area scan
Chroma	Mono
Spektrum	Visible
Spektralbereich	400 nm to 1000 nm
Auflösung	11,648 × 8,742 (101.80 MP)
Sensormodell	Sony IMX461
Sensorarchitektur (Material)	cmos
Verschlusstyp(en)	Rolling shutter (RS)
Sensorgröße	43.8 × 32.87 mm (54.76 mm, Type 3.4)
Pixelgröße	3.76 µm × 3.76 µm

Pixelformate

Sensor-Bittiefe	8-bit, 10-bit, 12-bit, 16-bit
Monochrome Pixelformate	mono8, mono10, mono12, mono16

Bildgebungsleistung

Dynamikbereich	81.3 dB
SNR	46.8 dB

Timing und Verstärkung

Max. Bildrate	8.7 fps
Belichtungszeit	60 µs to 60 s
Verstärkung	0.0 dB to 36.0 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: 14 W (typical)

Betriebsbedingungen

Betriebstemperatur (Gehäuse)	-10 °C to 70 °C

Mechanische Eigenschaften

Gehäuseabmessungen (L x B x H in mm)	83 × 80 × 80
Filter-/Schutzglas	Borofloat B270i - AR coating
IP-Klasse	IP30
Objektivanschluss/-anschlüsse	M72x0.75
Gewicht	580 g

Onboard-Speicher und FPGA

Nichtflüchtiger Speicher (Flash)	160 MByte

Schnittstellen

Digitale Schnittstelle	cxp-6 with 4 connections
Schnittstellenanschluss	(Din1.0/2.3)
Vision-Standard	CoaXPress 1.0

FW-Funktionen – Bildsteuerung

Belichtungsmodi	manual, auto
Verstärkungsmodi	auto, manual

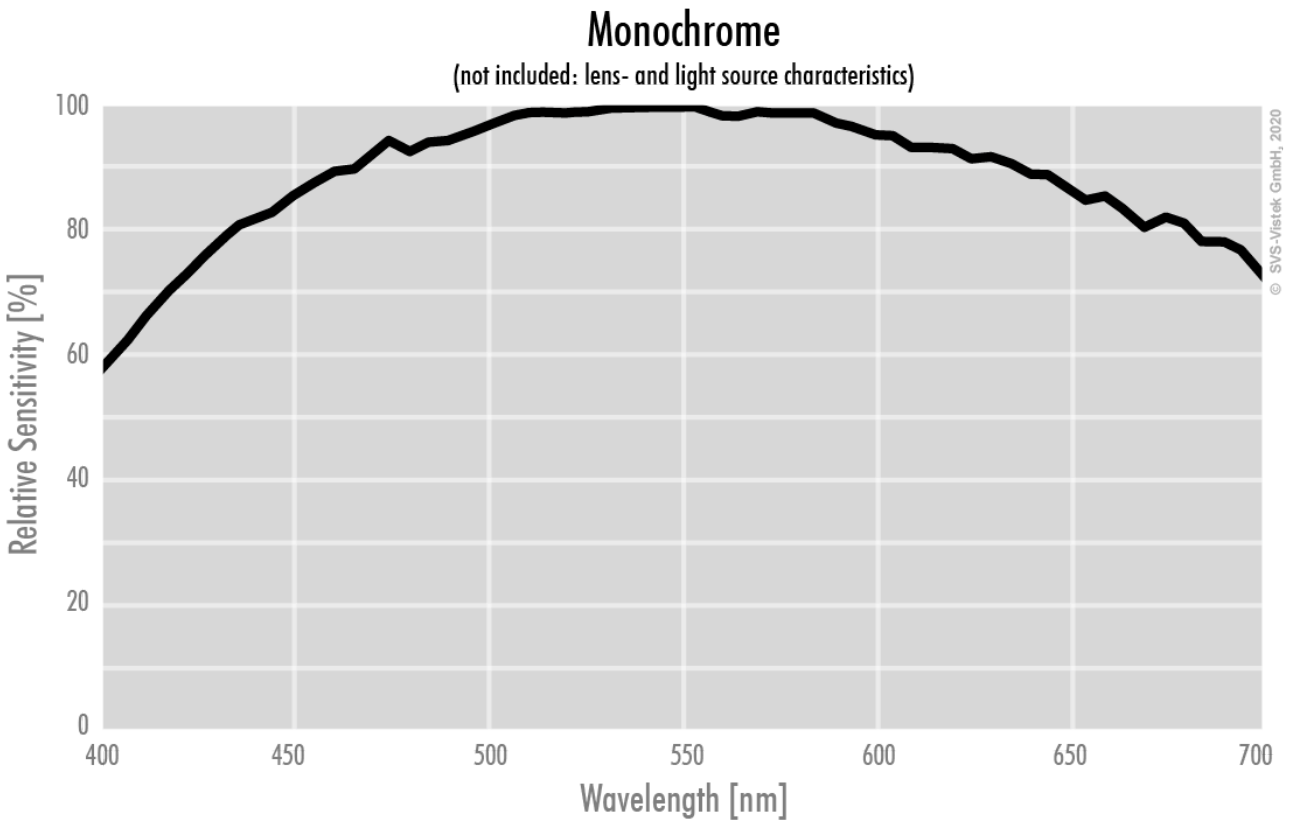
FW-Funktionen – Bildsteuerung

Bildsteuerungsfunktionen	roi, lut, mirror-image, dpc, shading-correction, ffc

FW-Funktionen – Kamerasteuerung

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

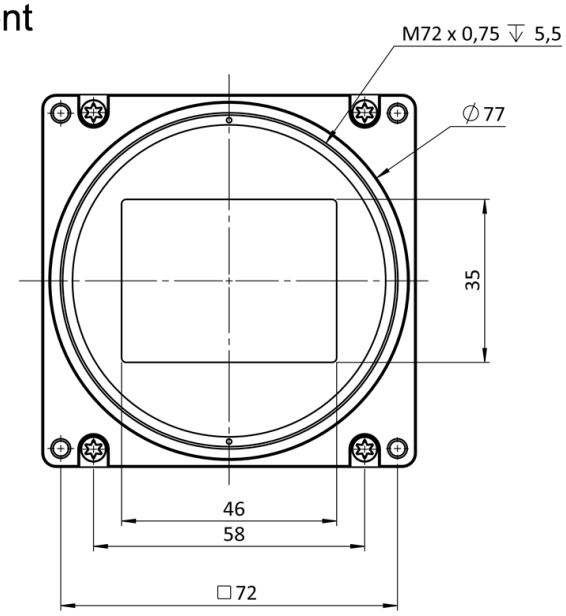
Quanteneffizienz



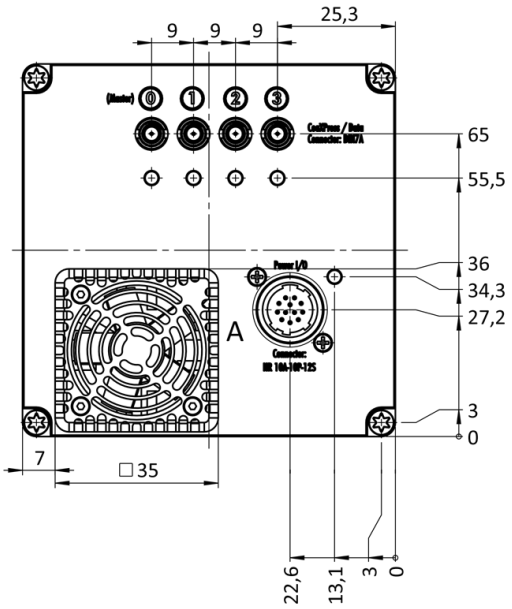
Allied Vision

Technische Zeichnung

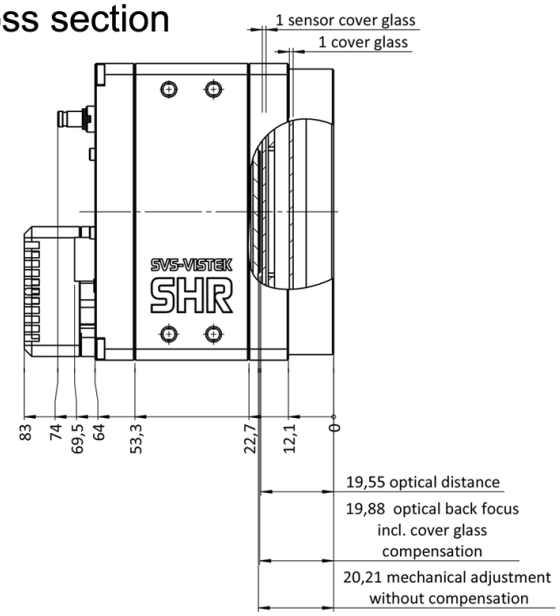
front



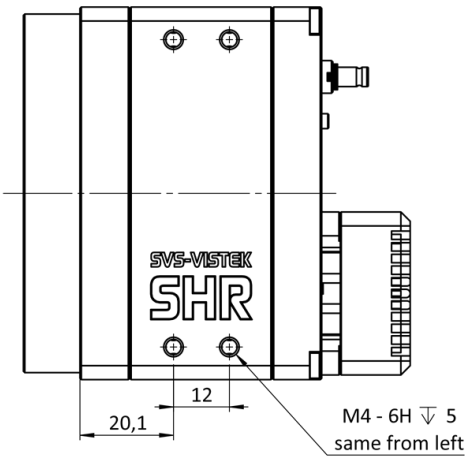
back



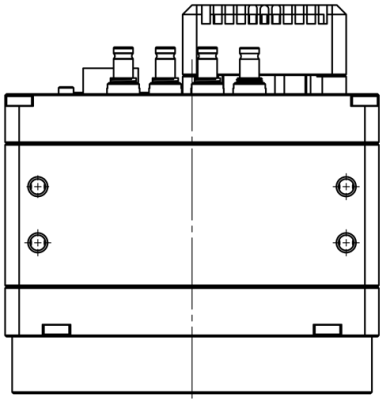
cross section



right side



top



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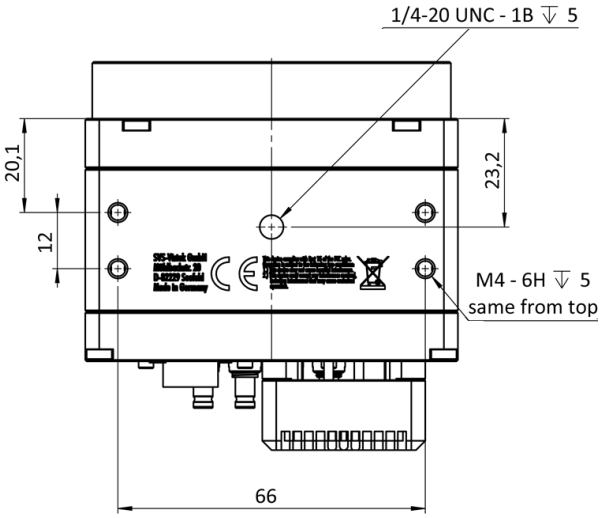
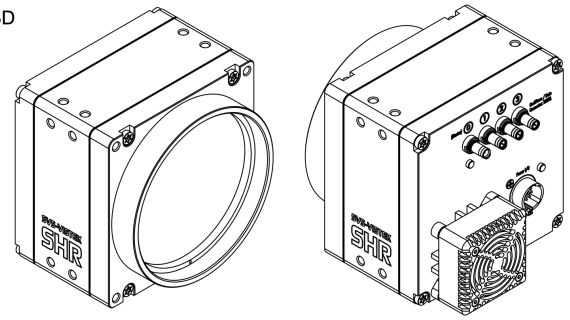
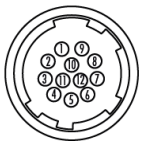


3D



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)