



SHR CoaXPress

shr461MCX

Generale

Modello	shr461MCX
Codice prodotto	F004086
Serie di prodotti	SHR CoaXPress
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Mono
Spettro	Visible
Gamma spettrale	400 nm to 1000 nm
Risoluzione	11,648 × 8,742 (101.80 MP)
Modello sensore	Sony IMX461
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Rolling shutter (RS)
Dimensione sensore	43.8 × 32.87 mm (54.76 mm, 55mm (Type 3.4))
Dimensione pixel	3.76 µm × 3.76 µm

Formati pixel

Profondità bit sensore	8-bit, 10-bit, 12-bit, 16-bit
Formati pixel monocromatici	mono8, mono10, mono12, mono16

Prestazioni di imaging

Gamma dinamica	81.3 dB
SNR	46.8 dB

Tempi e guadagno

Frequenza fotogrammi max.	8.7 fps
Tempo di esposizione	60 μ s to 60 s
Guadagno	0.0 dB to 36.0 dB

I/O e alimentazione

Linee non isolate	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,
Linee non isolate specifiche	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
Linee otticamente isolate	1 x Optical isolated input, 0 x Optical isolated input,
Alimentazione	10 to 25VDC, Power over CoaXPress
Consumo energetico	External: 14 W (typical)

Condizioni operative

Temperatura operativa (Custodia)	-10 °C to 70 °C
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Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	83 × 80 × 80
Vetro filtro/protezione	Borofloat B270i - AR coating
Classe IP	IP30
Attacco/i obiettivo	M72x0.75
Peso	580 g

Memoria onboard e FPGA

Memoria non volatile (Flash)	160 MByte
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Interfacce

Interfaccia digitale	cxp-6 with 4 connections
Connettore interfaccia	(Din1.0/2.3)

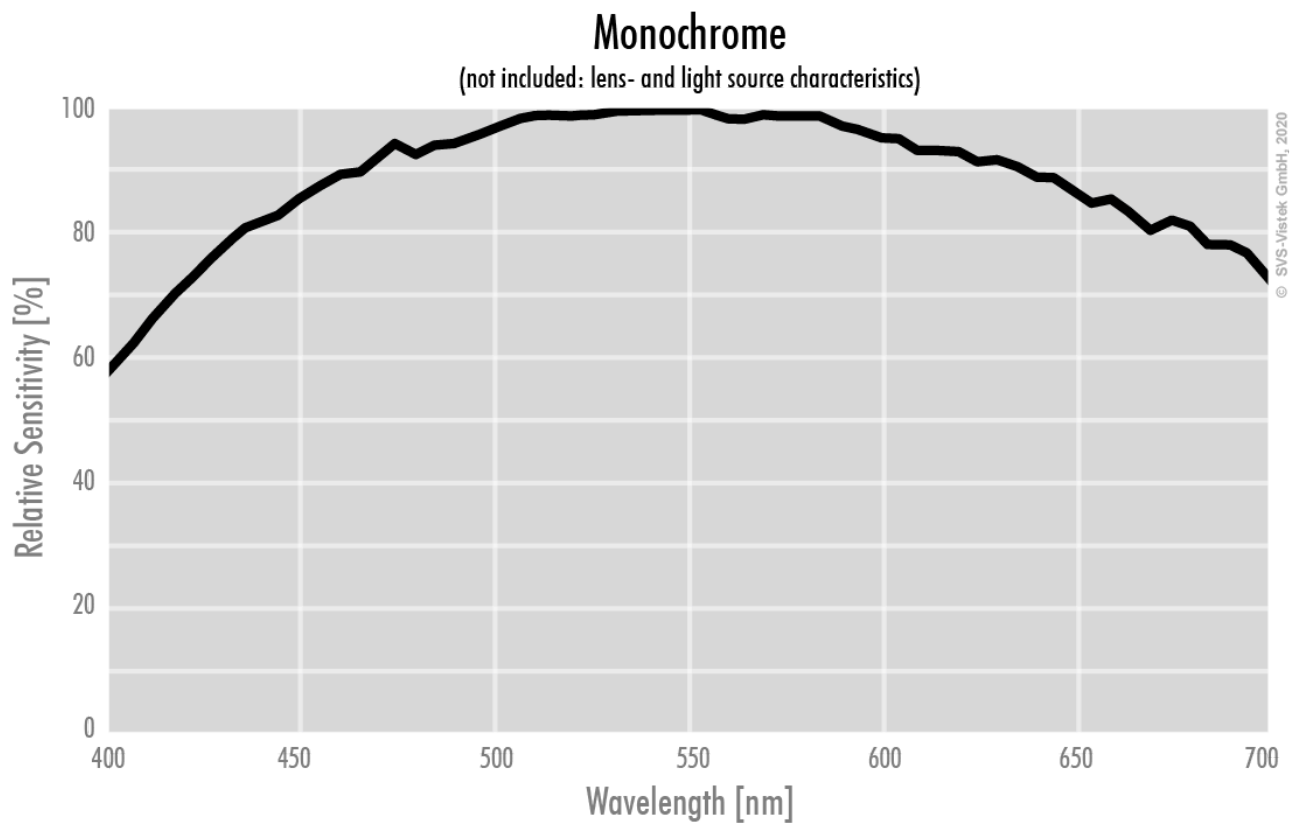
Funzioni FW – Controllo immagine

Modalità di esposizione	manual, auto
Modalità di guadagno	auto, manual
Funzioni di controllo immagine	roi, lut, mirror-image, dpc, shading-correction, ffc

Funzioni FW – Controllo fotocamera

Modalità di trigger/sincronizzazione	internal, software, external
Funzioni di controllo della fotocamera	PoCxP, User Sets, PWM(4), Sequencer,

Efficienza quantica



Technical drawing of the front view of a square mounting plate. The plate features a square outer frame with rounded corners and a central square cutout. Four mounting holes are located at the corners, each consisting of a small circular hole and a larger star-shaped hole. Dimension lines indicate a total width of 72 mm, a central cutout width of 46 mm, and a distance of 58 mm between the inner edges of the mounting holes. A vertical dimension of 35 mm is shown on the right. A circular feature with a diameter of 77 mm is indicated. A screw specification M72 x 0,75 is shown at the top right.

Technical drawing of the front panel of the 100-125 power supply unit. The drawing shows a rectangular panel with a width of 25,3 and a height of 65. It features four mounting holes (labeled 0, 1, 2, 3) and four indicator lights (labeled 4, 5, 6, 7). A large circular fan is located on the left side, and a power switch is on the right. Dimensions for the fan and switch are provided, along with a note about the connector type (IEC 100-125).

Technical drawing of the SVS-VISTEK SHR camera module. The drawing shows the front view of the module with various dimensions and optical specifications.

Dimensions (mm):

- 83
- 74
- 69,5
- 64
- 53,3
- 22,7
- 12,1
- 0

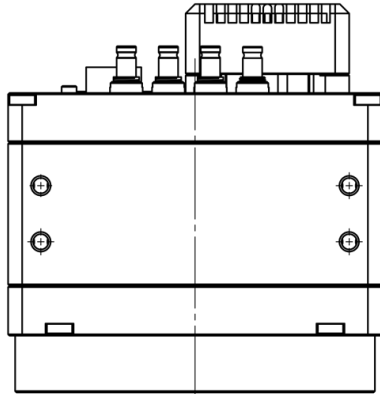
Optical Specifications:

- 1 sensor cover glass
- 1 cover glass
- 19,55 optical distance
- 19,88 optical back focus incl. cover glass compensation
- 20,21 mechanical adjustment without compensation

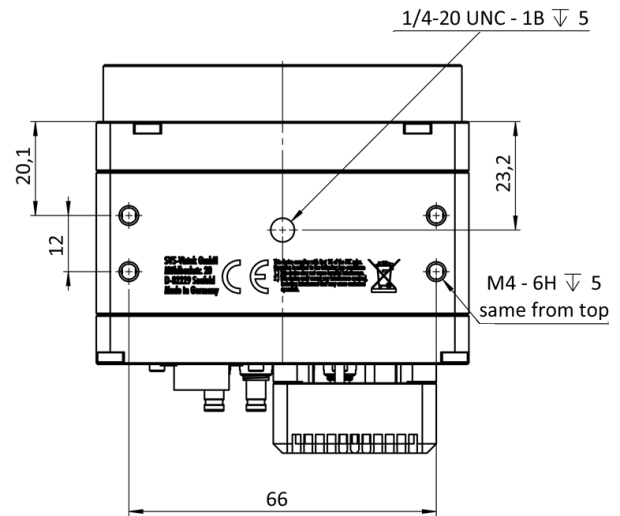
The module features the SVS-VISTEK SHR logo and four mounting holes.

Technical drawing of the SVS-VISTEK SHR unit. The drawing shows the front and side views. The front view features the text "SVS-VISTEK" and "SHR" in a stylized font. Below the text, there are two circular mounting holes. Dimensions are indicated: a horizontal distance of 20,1 from the left edge to the center of the first hole, and a horizontal distance of 12 between the centers of the two holes. A callout line points to the second hole with the text "M4 - 6H ∇ 5" and "same from left". The side view shows a multi-pin connector on the right side.

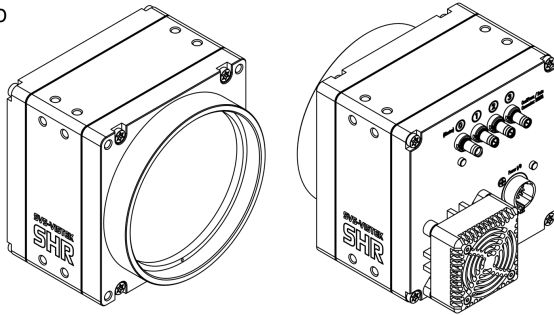
top



bottom



3D



Assegnazione pin I/O



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)