



HR CoaXPress

hr455CCX

Generale

Modello	hr455CCX
Codice prodotto	F004097
Serie di prodotti	HR CoaXPress
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Color
Spettro	Visible
Gamma spettrale	400 nm to 1000 nm
Risoluzione	9,568 × 6,380 (61.00 MP)
Modello sensore	Sony IMX455
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Rolling shutter (RS)
Dimensione sensore	35.98 × 23.99 mm (43.24 mm, Type 2.7)
Dimensione pixel	3.76 µm × 3.76 µm

Formati pixel

Profondità bit sensore	8-bit, 10-bit, 12-bit, 16-bit
Formati pixel RGB	bayer8, bayer10, bayer12, bayer16

Prestazioni di imaging

Gamma dinamica	81.4 dB
SNR	47 dB

Tempi e guadagno

Frequenza fotogrammi max.	18 fps
Tempo di esposizione	34 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,
Connettore I/O	12-pin Hirose HR10A-10P-12S
Alimentazione	10 to 25VDC, Power over CoaXPress
Consumo energetico	External: 14 W (typical)

Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	78 x 70 x 70
Vetro filtro/protezione	N-BK7 - AR coating
Classe IP	IP30
Attacco/i obiettivo	M58x0.75
Peso	420 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)
Standard Vision	CoaXPress 1.0

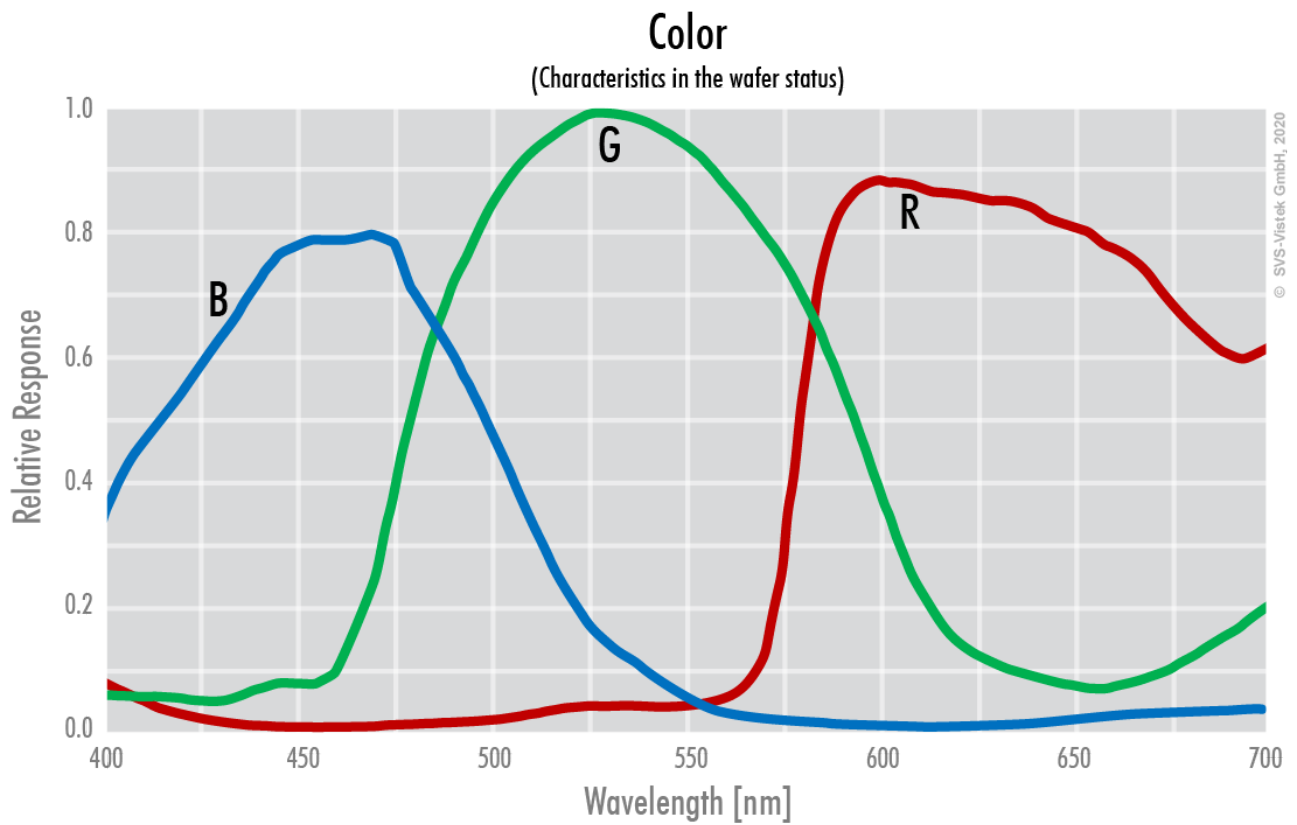
Funzioni FW – Controllo immagine

Modalità di esposizione	manual, auto
Modalità di guadagno	auto, manual
Modalità di bilanciamento del bianco	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



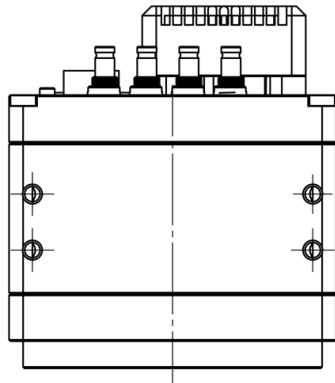
Technical drawing of a square plate with a central circular hole. The plate has a square outer edge with a side length of 64 mm. The central hole has a diameter of 62 mm. The plate is mounted on a larger square base with a side length of 70 mm. The mounting holes are arranged in a 2x2 grid. The distance between the centers of the mounting holes is 48 mm. The mounting holes are labeled with dimensions: M58 x 0,75 with a depth of 9,0 mm, 4x M3 with a depth of 12,0 mm, and 4x M4 with a depth of 8,0 mm. The central hole has a diameter of 64 mm.

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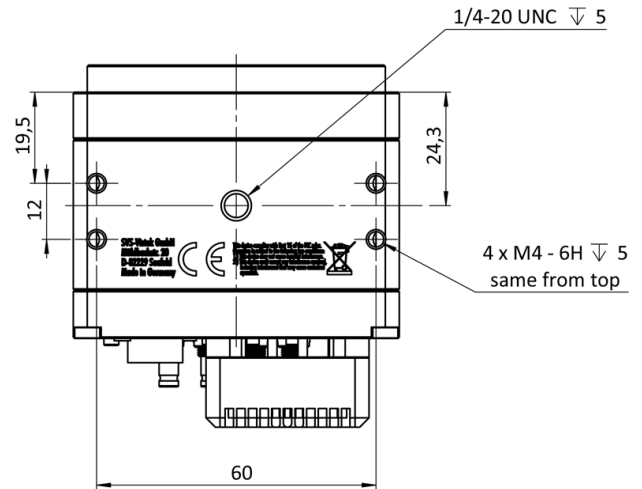
Technical drawing of the SVS-VISTEK HR unit showing dimensions and mounting details:

- Overall width: 19,5
- Distance between mounting holes: 12
- Mounting holes: 4 x M4 -6H (5 same from left)
- Overall height: 60
- Unit label: SVS-VISTEK HR
- Connector: 15-pin D-sub connector

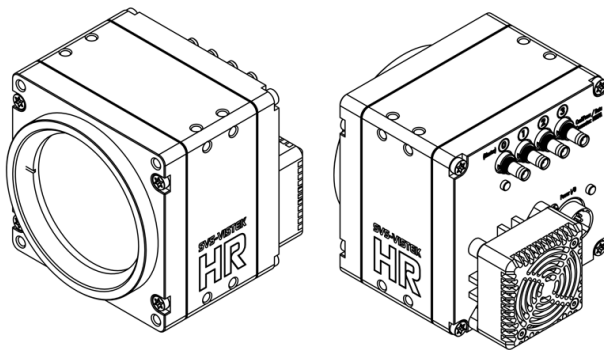
top



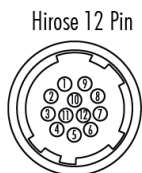
bottom



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)