



HR 10GigE

hr455MXGE

Generale

Modello	hr455MXGE
Codice prodotto	F004098
Serie di prodotti	HR 10GigE
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Mono
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, 12-bit, 16-bit
Formati pixel monocromatici	mono8, mono12, mono16

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 Ethernet (POE+, in option -P)
Consumo energetico	External: 18 W (typical)

Condizioni operative

Temperatura operativa (Custodia)	-10 °C to 60 °C
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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

Buffer immagine (RAM)	448 MByte
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Interfacce

Interfaccia digitale	10gige
Connettore interfaccia	(RJ-45)
Standard Vision	GigE Vision 2.0

Funzioni FW – Controllo immagine

Modalità di esposizione	manual, auto, external
Modalità di guadagno	auto, manual

Funzioni FW – Controllo immagine

Funzioni di controllo immagine

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

Funzioni FW – Controllo fotocamera

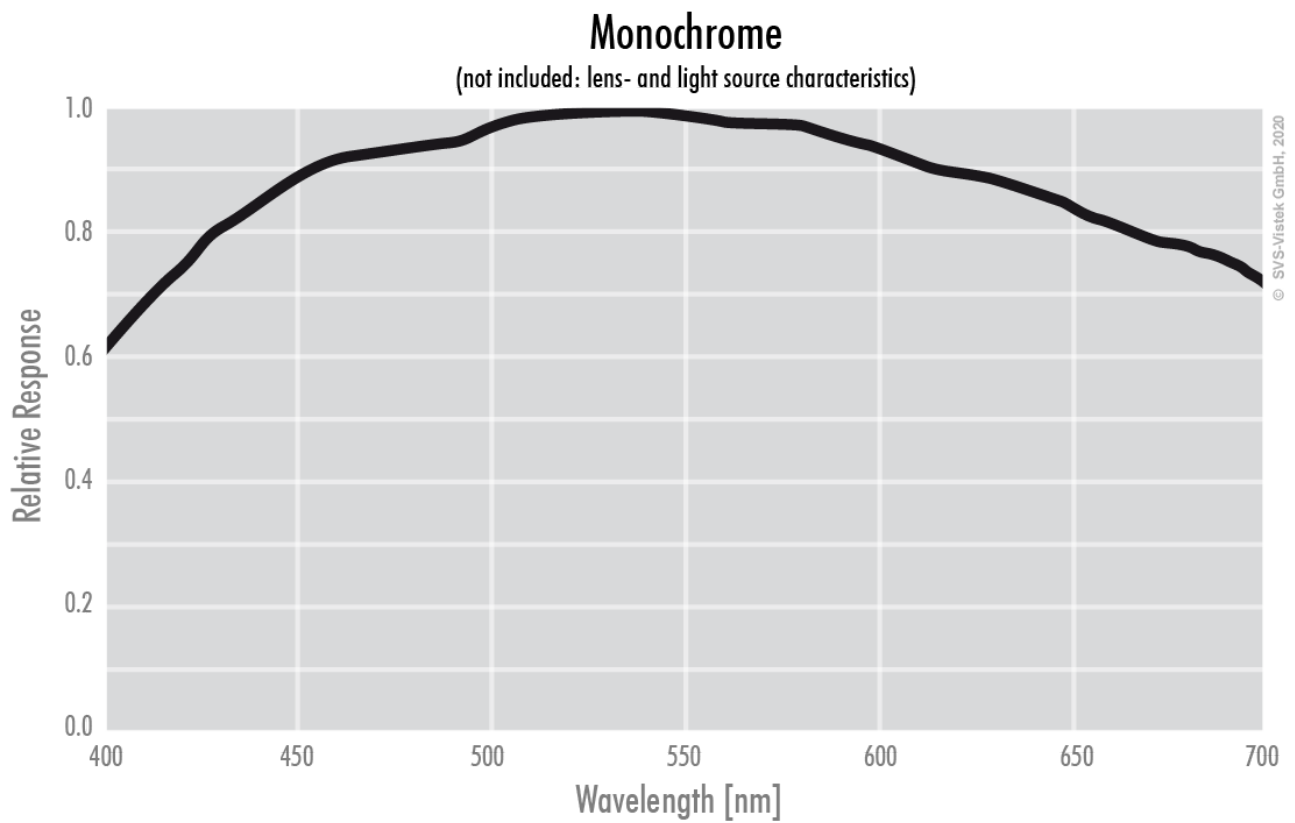
Modalità di trigger/sincronizzazione

internal, software, external

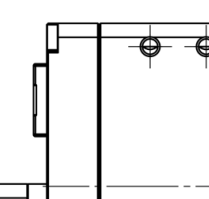
Funzioni di controllo della fotocamera

User Sets, POE, PWM(4), Sequencer,

Efficienza quantica



Technical drawing of a square plate with a central circular hole and four corner holes. The plate has a square outer edge with a width of 70 mm. The central hole has a diameter of 62 mm. The distance from the center to the center of each corner hole is 48 mm. The corner holes have a diameter of 64 mm. The plate is made of M58 x 0,75 material with a thickness of 9,0 mm. The corner holes are 4x M3 with a depth of 12,0 mm and 4x M4 with a depth of 8,0 mm.



Technical drawing of the SVS-VISTEK HR 15.8. The drawing shows a side view of the device with dimensions in millimeters. The overall height is 178,4 mm. The width of the main body is 59,4 mm. The depth of the main body is 48,1 mm. The depth of the front panel is 15,8 mm. The depth of the bottom section is 5,8 mm. The total depth is 0 mm. The front panel features the SVS-VISTEK logo and the model number HR. The front panel is made of glass, with a thickness of 1 mm. The optical distance is 11,48 mm.

19,5

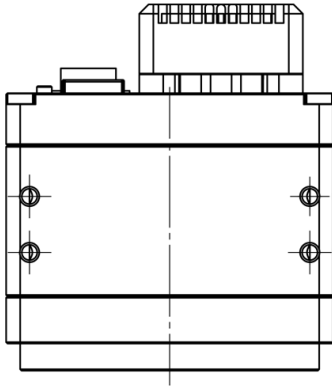
12

4 x M4 - 6H ∇ 5
same from left

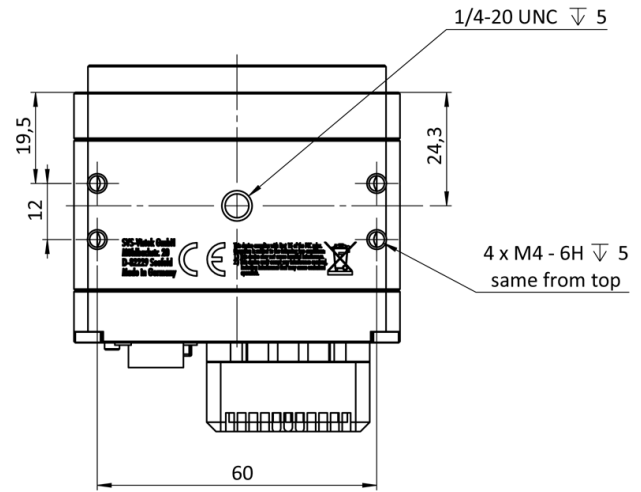
60

SVS-VISTEK
HR

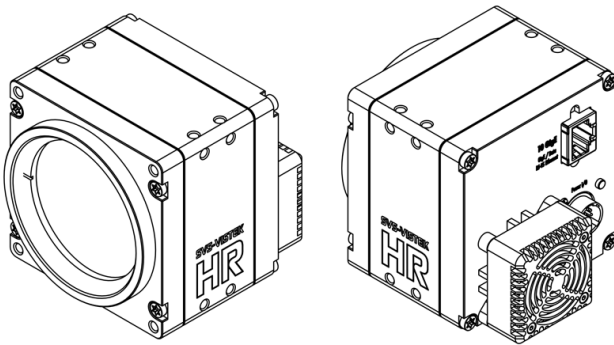
top



bottom

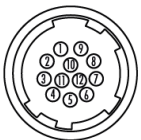


3D



Assegnazione pin I/O

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)