



HR 10GigE

hr65MXGE

Generale

Modello	hr65MXGE
Codice prodotto	F004121
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	9,344 × 7,000 (65.00 MP)
Modello sensore	Gpixel GMAX3265
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Global shutter (GS)
Dimensione sensore	29.9 × 22.4 mm (37.36 mm, Type 2.3)
Dimensione pixel	3.20 µm × 3.20 µm

Formati pixel

Profondità bit sensore	8-bit, 12-bit
Formati pixel monocromatici	mono8, mono12

Prestazioni di imaging

Gamma dinamica	65.6 dB
SNR	40 dB

Tempi e guadagno

Frequenza fotogrammi max.	17.4 fps
Tempo di esposizione	22 μ s to 60 s
Guadagno	0.0 dB to 18.0 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: 14 W (typical)

Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	76 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
Memoria non volatile (Flash)	32 MByte

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 di controllo immagine	roi, lut, mirror-image, dpc, shading-correction, ffc

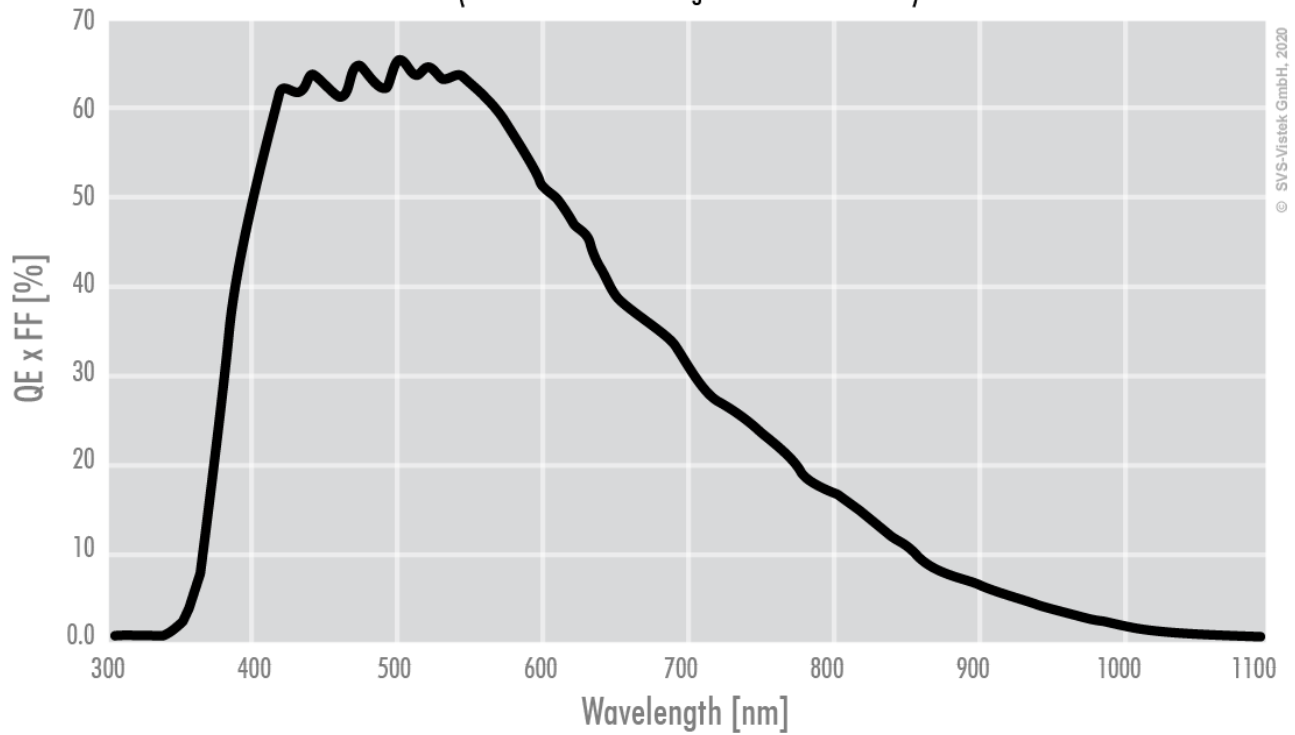
Funzioni FW – Controllo fotocamera

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

Efficienza quantica

Monochrome

(not included: lens- and light source characteristics)



Technical drawing of the front view of a square flange. The drawing shows a square plate with a central circular opening. The outer square has a width of 64 mm. The central hole has an outer diameter of 58 mm and a thickness of 0.75 mm. There are four M4 screws with a height of 6 mm and four M3 screws with a height of 12 mm. The drawing includes dimension lines and callouts for these specifications.

- Outer square width: 64
- Inner circular hole diameter: $\varnothing 58$
- Inner circular hole thickness: 0,75
- Outer circular hole diameter: $\varnothing 64$
- Four M4 screws with height 6: 4 x M4 - 6H ∇ 6
- Four M3 screws with height 12: 4 x M3 ∇ 12

Technical drawing of the front panel of the 12V 45 Element power supply. The drawing shows a rectangular panel with a 35mm width and a 6.5mm depth. It features a 'TO GND' terminal, a 'Ref / Data 12V45 Element' label, a 'Power I/O' terminal, and a 'Mounting Connector: BR 10x10-125'. Dimensions are given in millimeters: 6.5, 35, 19.2, 17.6, 8.2, 3, 0, 3, 22.2, 29.3, 43.5, 63.5.

Technical drawing of the SVS-VISTEK HR camera module, showing dimensions and optical specifications.

Dimensions (mm):

- 77,4
- 61,2
- 58,4
- 47,1
- 14,8
- 4,3
- 0

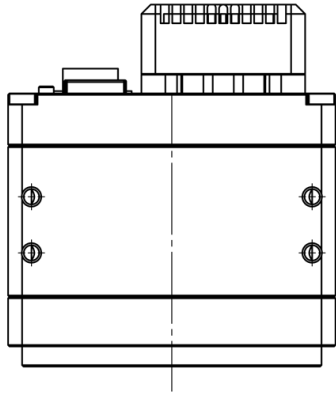
Optical Specifications:

- 0,9 sensor cover glass
- 1 cover glass
- 11,48 optical distance
- 11,81 optical back focus incl. cover glass compensation
- 12,11 mechanical adjustment without compensation

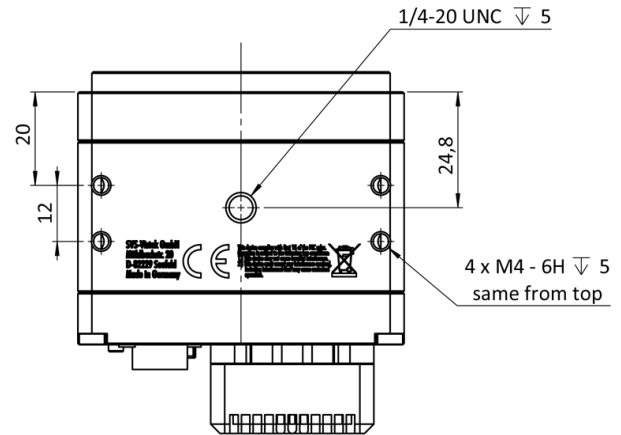
Technical drawing of the SVS-VISTEK HR unit showing dimensions and mounting specifications:

- Overall height: 60
- Overall width: 20
- Mounting hole spacing: 12
- Mounting specification: 4 x M4 - 6H ∇ 5 same from left

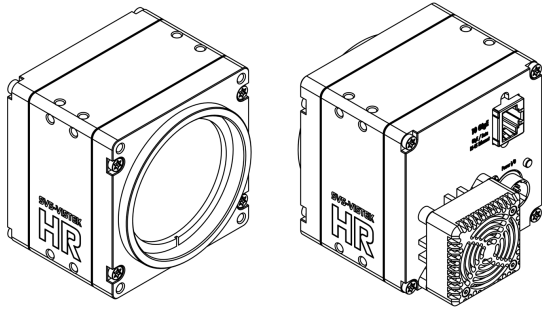
top



bottom

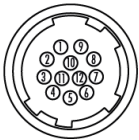


3D



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)