Allied Vision



HR 10GigE

hr51CXGE-G2

□□	
□□	hr51CXGE-G2
□□□□	F004154
□□□□	HR 10GigE
□□	Deleted

□□□	
□□□□□	Area scan
□□	Color
□□	Visible
□□□□	400 nm to 1000 nm
□□□	8,424 × 6,032 (51.00 MP)
□□□□□	Gpixel GMAX4651-BVC-BU2
□□□□□□□□□	cmos
□□□□	Global shutter (GS)
□□□□□	38.75 × 27.75 mm (47.66 mm, 35mm Full Frame)
□□□□	4.60 µm × 4.60 µm

□□□□	
□□□□□□	8-Bit,12-Bit
RGB□□□□	bayer8, bayer12

□□□□	
□□□□	65 dB
□□□	42.6 dB

□□□□□

□□□□	23.7 fps
□□□□	60 µs (max)
□□	0.0 dB to 40.0 dB

I/O□□□

□□□□□IO	0 x LVDS input, 0 x LVDS output0 x TTL input, 0 x TTL output, 2 x 24V input, 4 x Open drain output
□□□□□□□IO	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output
□□□□□□	1 x Optical isolated input, 0 x Optical isolated Input,
□□□□	10 to 25VDC
□□	External: 17 W (typical at 12 VDC)

□□□□

□□□□□L x W x H mm□	77 × 70 × 70
□□□/□□□□	IR-Cut 680
IP□□□□	IP30
□□□□	M58x0.75
□□	380 g

□□□□□FPGA

□□□□□RAM□	448 MByte

□□

□□□□	10gige
□□□□□	(RJ-45)

□□□□ - □□□□

□□□□	Manual, Auto
□□□□	Auto, Manual
□□□□□	auto, manual
□□□□□□	FW Features - Image Control

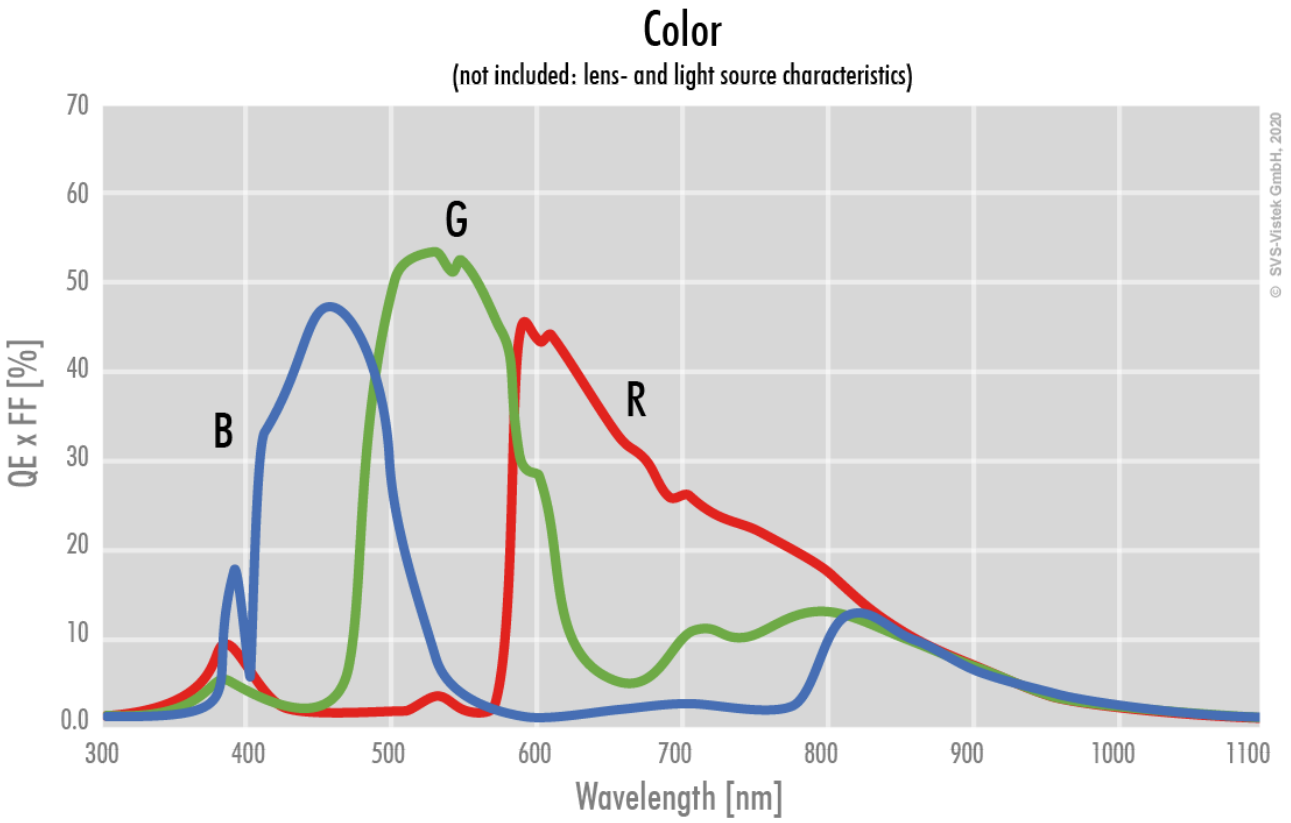
□□□□ - □□□□

□□□□/□□	INTERNAL,SOFTWARE,EXTERNAL

□□□□ - □□□□

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

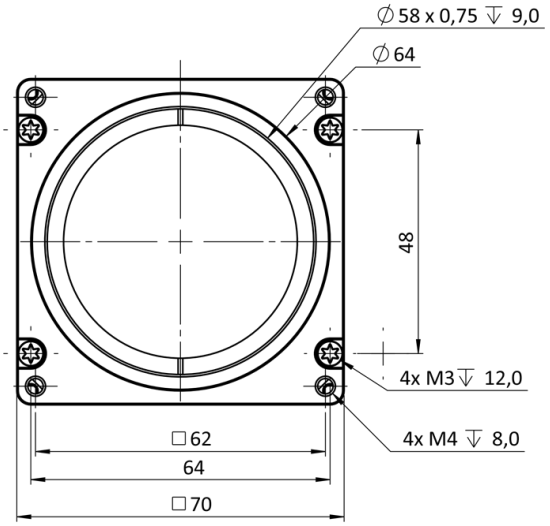
Quantum Efficiency



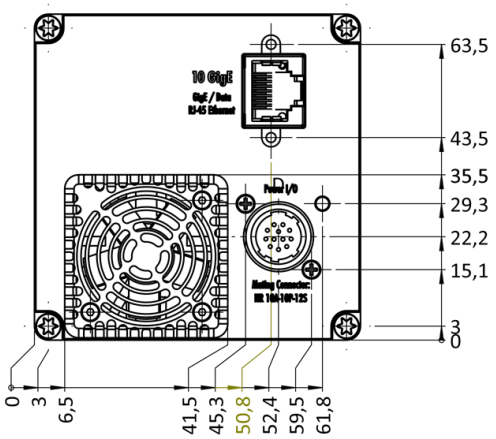
Allied Vision

Technical Drawing

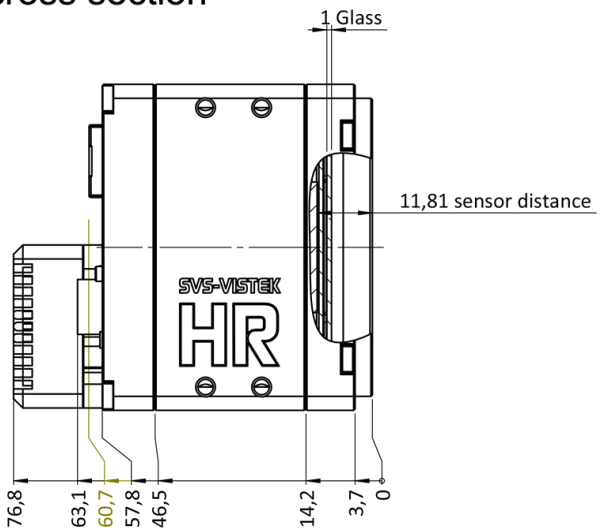
front



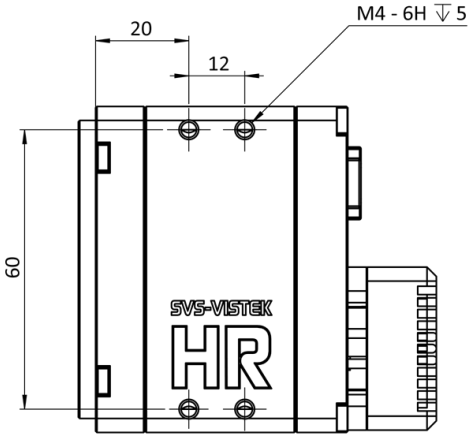
back



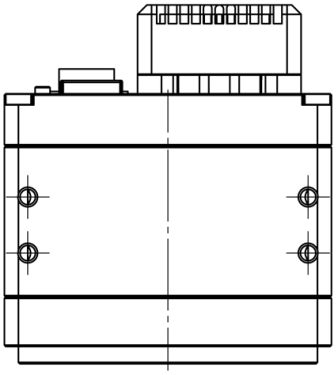
cross section



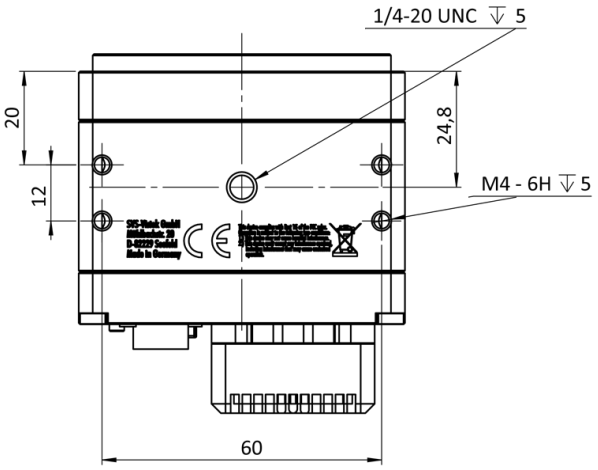
right side



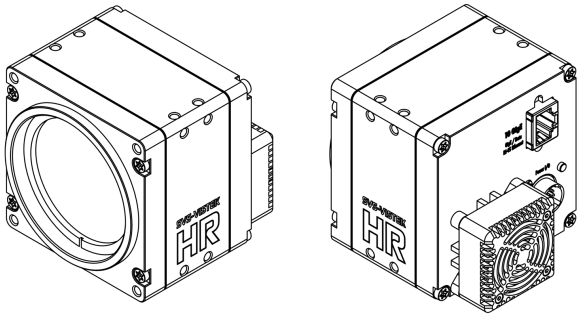
top



bottom

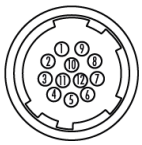


3D



I/O pin assignment

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)