Allied Vision



HR 10GigE

hr65CXGE-G2

□□	
□□□	hr65CXGE-G2
□□□□□	F004148
□□□□□□	HR 10GigE
□□□□□	Deleted

□□□□	
□□□□□□□	Area scan
□□□	Color
□□□□□	Visible
□□□□□□□	400 nm to 1000 nm
□□□	9,344 × 7,000 (65.00 MP)
□□□□□□□	Gpixel GMAX3265
□□□□□□□□□□	cmos
□□□□□□□□□	Global shutter (GS)
□□□□□□□	29.9 × 22.4 mm (37.36 mm, Type 2.3)
□□□□□□□	3.20 µm × 3.20 µm

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

□□□□□□□□	
□□□□□□□□□	65.6 dB
SNR	40 dB

□□□□□□□□□□

□□□□□□□□□□	17.4 fps
□□□□	22 µs to 60 s
□□□	0.0 dB to 18.0 dB

I/O□□□

□□□□	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,
□□□□□□□□	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,
I/O□□□□	12-pin Hirose HR10A-10P-12S
□□	10 to 25VDC, Power over Ethernet (POE+, in option -P)
□□□□	External: 15 W (typical)

□□□□

□□□□□□□□□	-10 °C to 65 °C

□□□□□

□□□□□L x W x H mm□	76 × 70 × 70
□□□□□/□□□□□	IR-Cut 680
IP□□	IP30
□□□□□□□□	M58x0.75
□□	420 g

□□□□□□□□□FPGA

□□□□□□□RAM□	448 MByte
□□□□□□□□□□□□□□□□	32 MByte

□□□□□□□□□

□□□□□□□□□□□□□□	10gige
□□□□□□□□□□□□□□	(RJ-45)
□□□□□□□	GigE Vision 2.0

FW□□ - □□□□

□□□□□	manual, auto

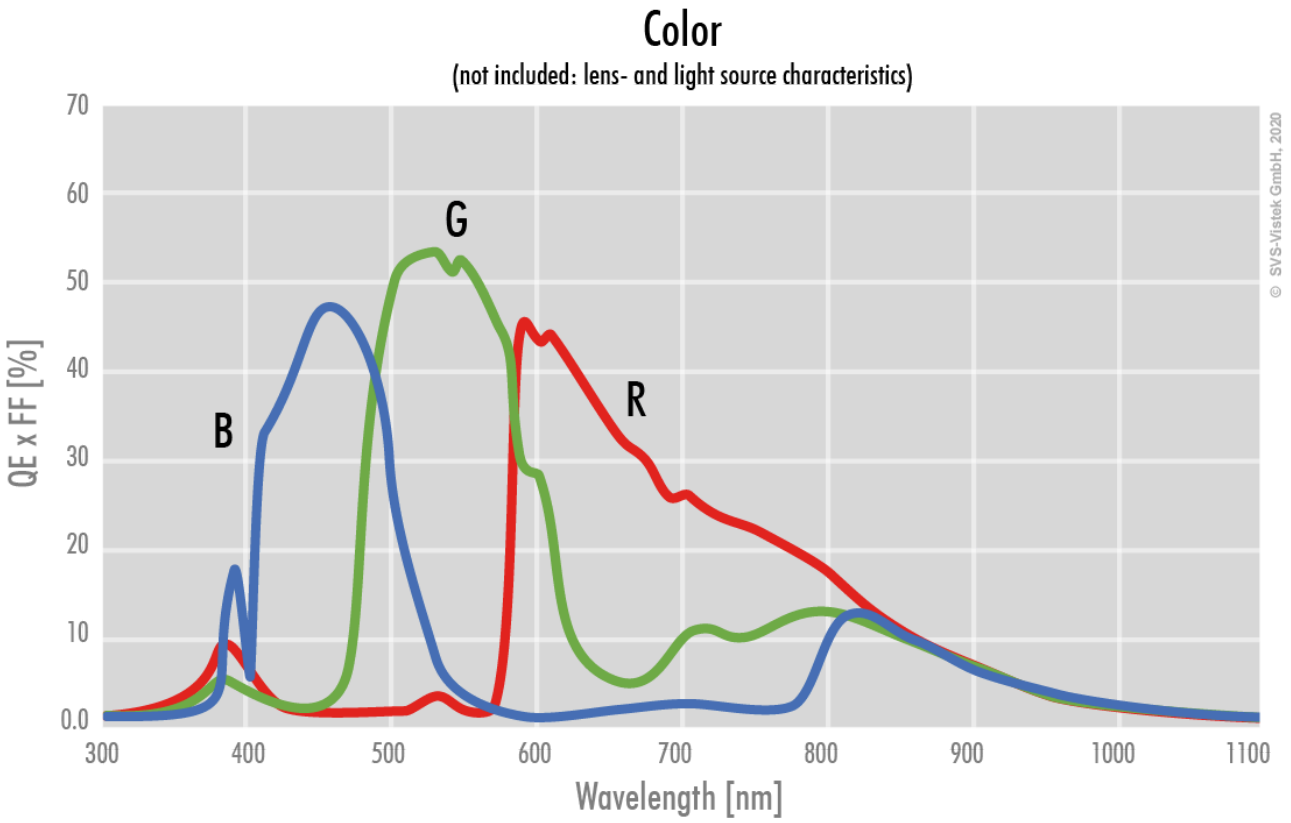
FW□□ - □□□□

□□□□□□□	auto, manual
□□□□□□□□□□□□	auto, manual
□□□□□□□	roi, lut, mirror-image

FW□□ - □□□□□

□□□□□□□□/□□	internal, software, external
□□□□□□□□	User Sets, POE, PWM(4), Sequencer,

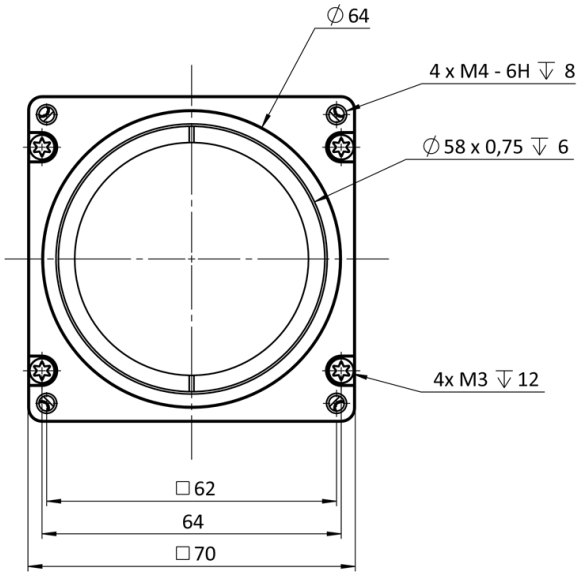
Quantum Efficiency



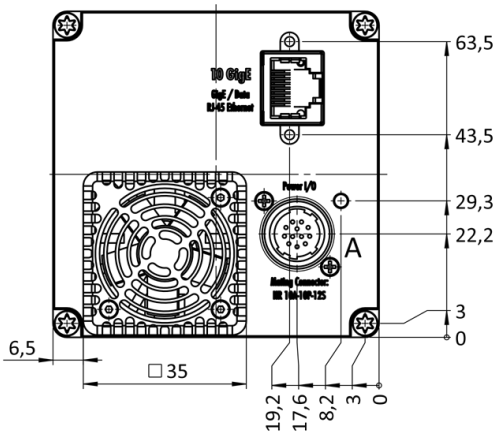
Allied Vision

Technical Drawing

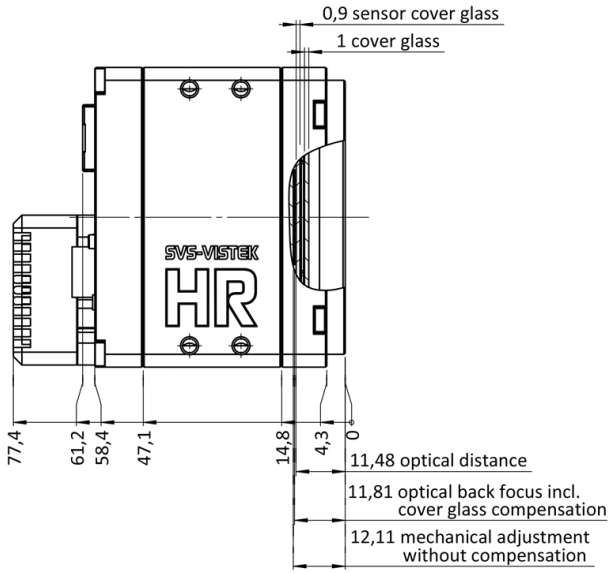
front



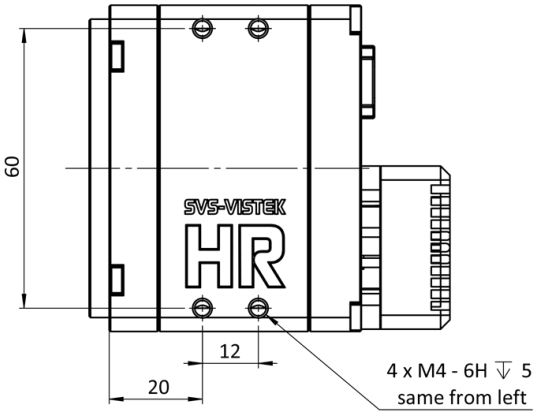
back



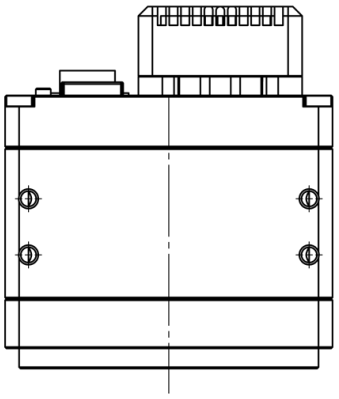
cross section



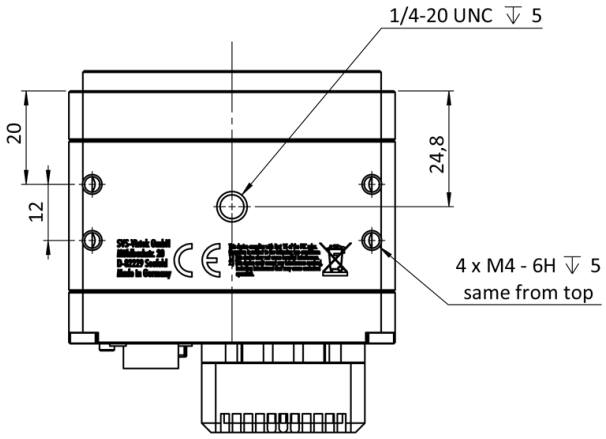
right side



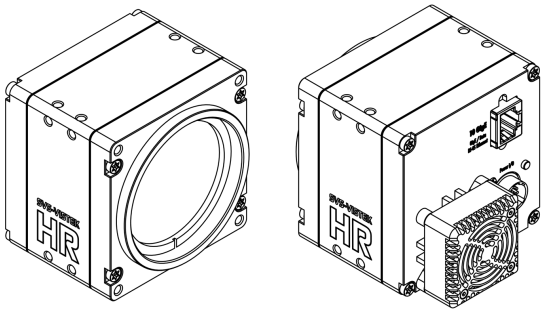
top



bottom

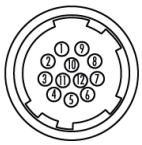


3D



I/O pin assignment

Hirose 12 Pin



1	VIN –	(GND)
2	VIN +	(10 V to 25 V DC)
3	IN 4	(RXD RS232)
4	OUT 4	(TXD RS232)
5	IN 1	(0 - 24V)
6	IN 2	(0 - 24V)
7	OUT 1	(open drain)
8	OUT 2	(open drain)
9	IN 3 +	(opto In +)
10	IN 3 –	(opto In –)
11	OUT 3	(open drain)
12	OUT 0	(open drain)