Allied Vision



HR 10GigE

hr387MXGE

□□	
□□□	hr387MXGE
□□□□□□	F004075
□□□□□□□	HR 10GigE
□□□□□	Available

□□□□	
□□□□□□□□	Area scan
□□□	Mono
□□□□□	Visible
□□□□□□□□	400 nm to 1000 nm
□□□	5,440 × 3,076 (16.70 MP)
□□□□□□□□	Sony IMX387
□□□□□□□□□□□	cmos
□□□□□□□□□	Global shutter (GS)
□□□□□□□□	18.77 × 10.61 mm (21.56 mm, Type 4/3)
□□□□□□□□	3.45 µm × 3.45 µm

□□□□□□□□□□	
□□□□□□□□□□	8-bit, 12-bit
□□□□□□□□□□□□□□□□	mono8, mono12

□□□□□□□□□	
□□□□□□□□□□	56.4 fps
□□□□	21 µs to 60 s
□□□	0.0 dB to 48.0 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: 15.5 W (typical)

□□□□□

□□□□□L x W x H mm□	80 × 70 × 70
□□□□□/□□□□□	N-BK7 - AR coating 380-850nm
IP□□	IP30
□□□□□□□□	M58x0.75
□□	400 g

□□□□□□□□□FPGA

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

□□□□□□□□

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

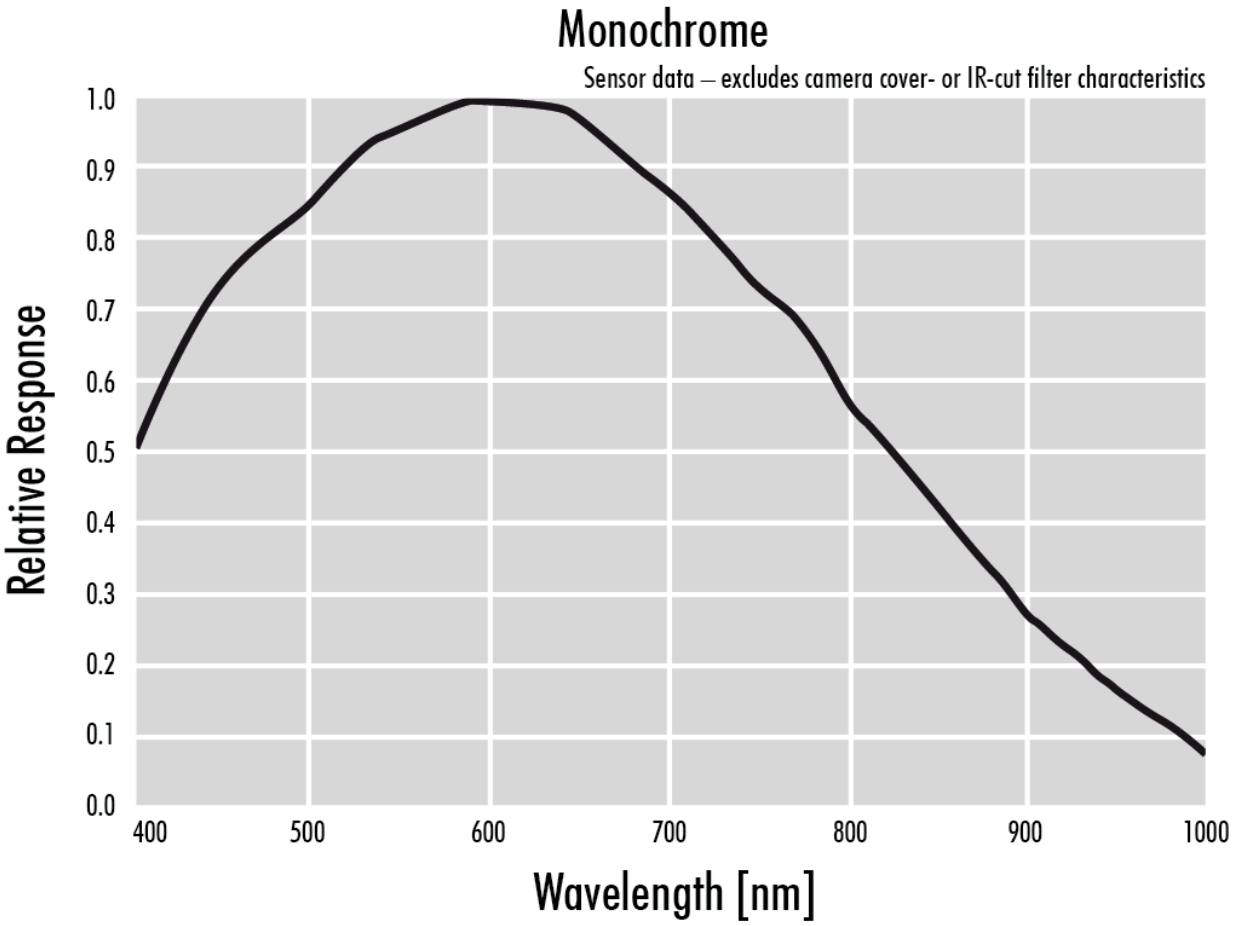
FW□□ - □□□□

□□□□□	manual, auto, external
□□□□□□	auto, manual
□□□□□□	lut, mirror-image, dpc, shading-correction, ffc

FW□□ - □□□□□

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

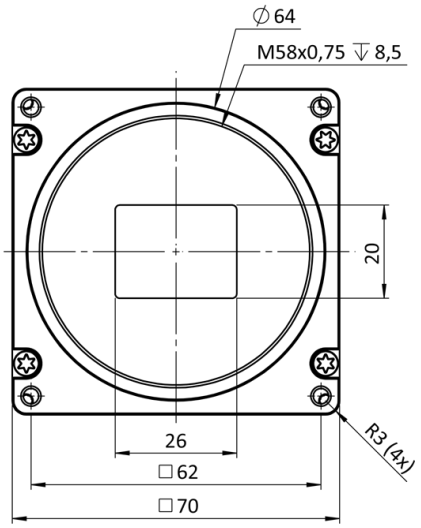
Quantum Efficiency



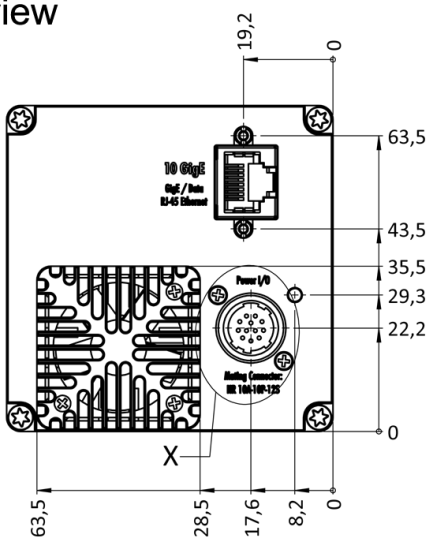
Allied Vision

Technical Drawing

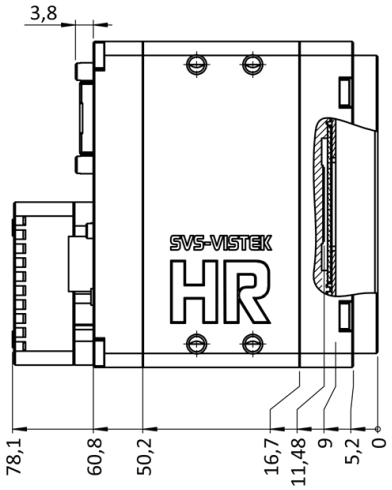
front view



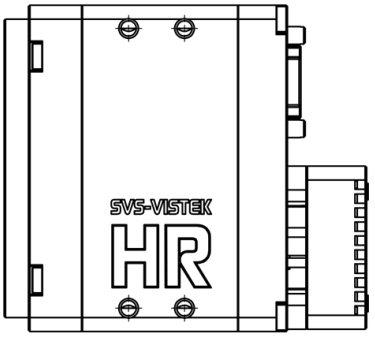
back view



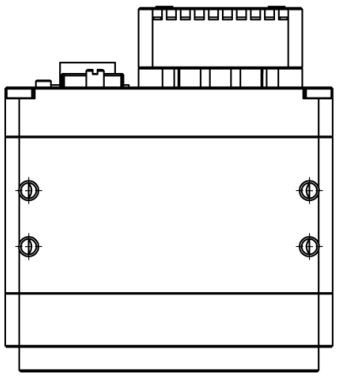
cross section



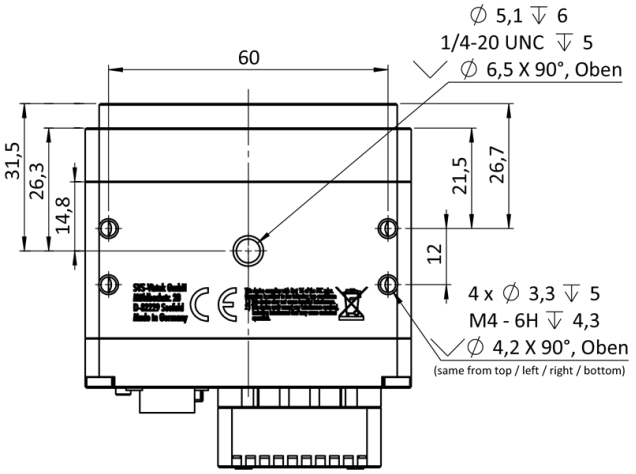
right view



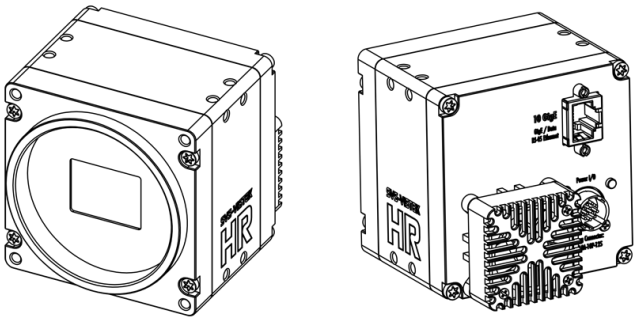
top view



bottom view

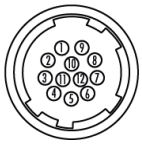


3D view



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)