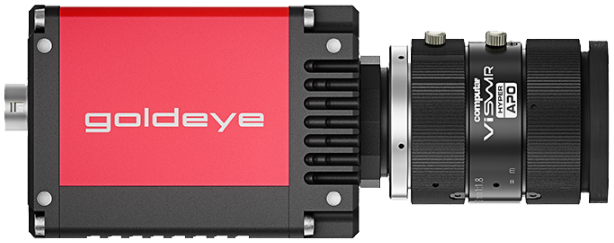
Allied Vision



Goldeye CL

Goldeye CL-130 VSWIR TEC1

The Goldeye CL-130 TEC1 is an SXGA resolution short wave infrared (SWIR) camera with Camera Link interface. Frame rates up to 100 fps at full resolution enable you to access versatile application fields and to speed up your processes.

□□	
□□	Goldeye CL-130 VSWIR TEC1
□□□□	Goldeye CL
□□	Available

□□□	
□□□□□	Area scan
□□	Mono
□□	SWIR, Visible SWIR
□□□□	400 nm to 1700 nm
□□□	1,280 × 1,024 (1.30 MP)
□□□□□	Sony IMX990 | InGaAs | TEC
□□□□□ (□□)	cmos-ingaas
□□□□	Global shutter (GS)
□□□□□	6.4 × 5.12 mm (8.2 mm, Type 1/2)
□□□□	5.00 µm × 5.00 µm

□□□□	
□□□□□	12-bit

□□□□□	
□□□□□	94 fps
□□□□	3 µs to 200.00 ms
□□	0.0 dB to 18.0 dB

I/O □□□	
□□□□	1 input, 1 output
□□□□□□	115 200 Baud, 8N1 (adjustable)

I/O □□□

□□□□	1 input, 2 outputs
□□□□	10.8 V to 30.0 V
□□	Maximum: 11.8 W (at 12 VDC)

□□□□

□□□□	-20 °C to 55 °C (□□)

□□□□

□□□□ (□ x □ x □ mm)	78 × 55 × 55
□□	330 g

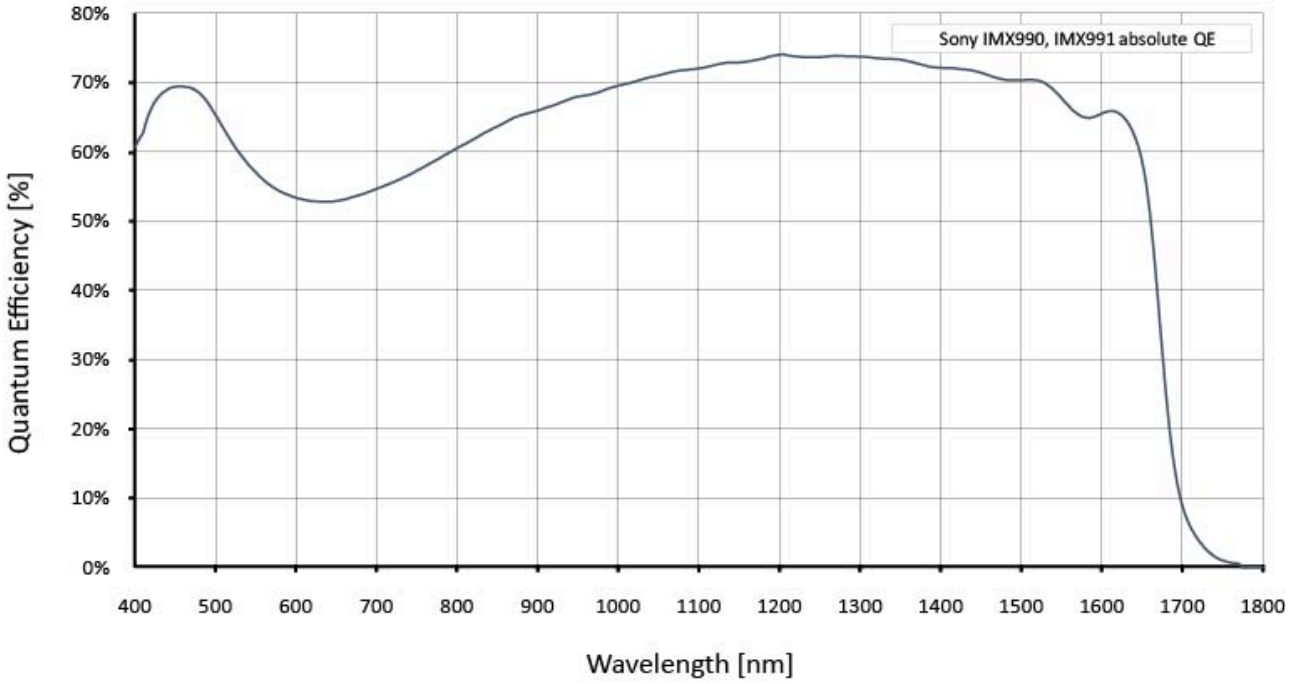
□□□□□□ FPGA

□□□□□ (RAM)	256 MByte

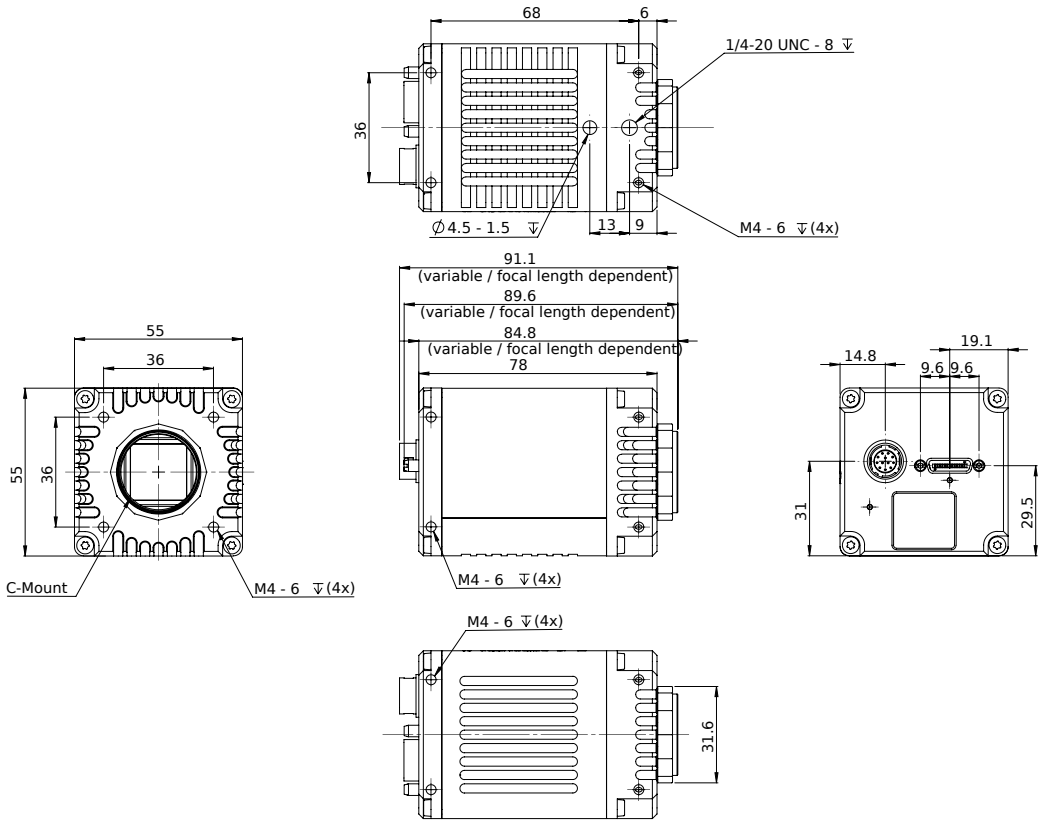
□□

□□□□	Camera Link Base

□□□□


Sony IMX990, IMX991 absolute QE
Quantum Efficiency [%]
80%
70%
60%
50%
40%
30%
20%
10%
0%
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
Wavelength [nm]

□□□□


68
6
1/4-20 UNC - 8 ↧
36
∅4.5 - 1.5 ↧
13
9
M4 - 6 ↧(4x)
91.1
(variable / focal length dependent)
89.6
(variable / focal length dependent)
84.8
(variable / focal length dependent)
78
M4 - 6 ↧(4x)
55
36
55
36
C-Mount
M4 - 6 ↧(4x)
14.8
19.1
9.6
9.6
31
29.5
M4 - 6 ↧(4x)
31.6