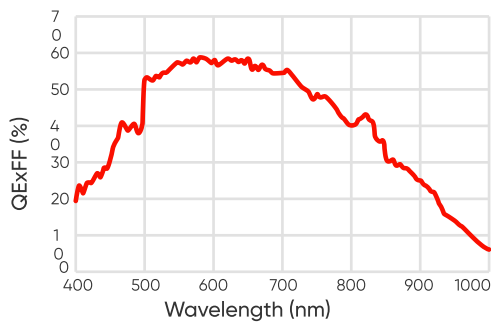


Dhyana 401A-G

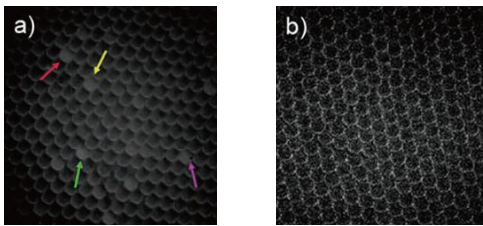
The Dhyana 401A-G is a compact front-illuminated sCMOS camera with 11 μm pixels and excellent dynamic range, capable of capturing strong and weak signals simultaneously. Its cost-effective design makes it ideal for instrument integrators and applications in complex light environments.



Quantum Efficiency



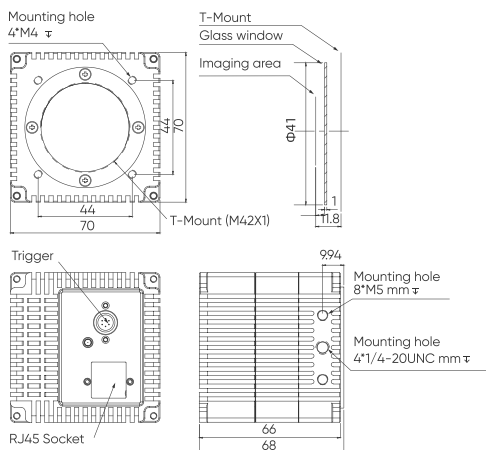
Application Cases



a) - Dhyana 401A (11 μm Pixel)

b) - CCD (5 μm Pixel)

Dimensions (Unit: mm)



Specification

Model	Dhyana 401A-G
Sensor Type	FSI sCMOS
Sensor Model	Gpixel GSENSE400
Peak QE	58%@600 nm
Chrome	Mono
Array Diagonal	32 mm
Effective Area	22.5 mm x 22.5 mm
Resolution	2048 (H) x 2048 (V)
Pixel Size	11 μm x 11 μm
Full Well Capacity	Typical: 91 ke-
Dynamic Range	95 dB
Frame Rate	20 fps
Readout Noise	Typical: 1.5 e- (Median)
Shutter Mode	Rolling
Exposure Time	21 μs ~1 s
Binning	2 x 2
ROI	Support
Trigger Mode	Hardware, Software
Trigger Output	Exposure Start, Readout End
Trigger Interface	Hirose
Data Interface	GigE
Bit Depth	12 bit, 16 bit
Optical Interface	M42
Power Supply	12 V / 2 A
Power Cons.	6 W
Dimensions	70 mm x 70 mm x 68 mm
Weight	540 g
Software	SamplePro
SDK	C, C++, C#
Operating System	Windows, Linux
Operating Environment	Temp. 0°C~40°C, HUM 10%~85%

