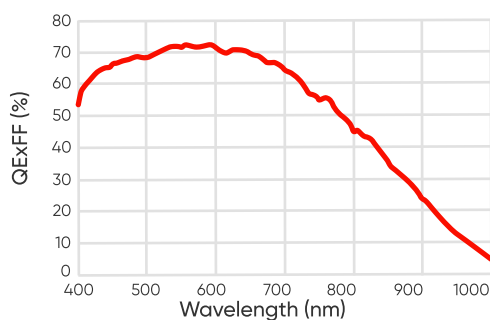


Dhyana 401D / 201D

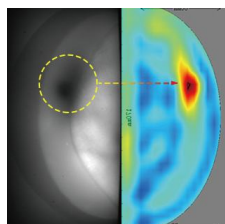
The Dhyana 401D and 201D are compact front-illuminated sCMOS cameras, ideal for instrument system integrators seeking cost-effective solutions. They feature 72% high quantum efficiency and 2.1 e⁻ low readout noise, making them well-suited for general low-light imaging applications.



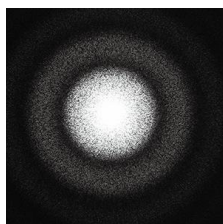
Quantum Efficiency



Application Cases

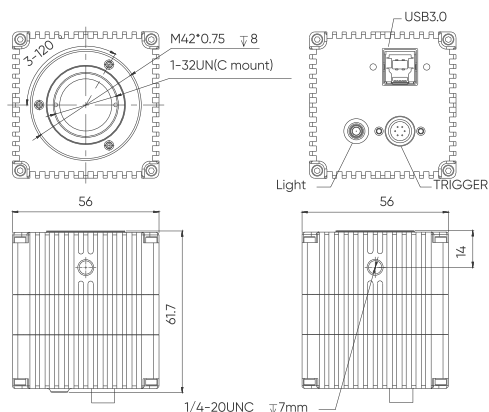


Tumor -
DOT Detection



Blood-Diffractive
Phase Imaging

Dimensions (Unit: mm)



Specification

Model	Dhyana 401D	Dhyana 201D
Sensor Type	FSI sCMOS	
Sensor Model	Gpixel GSENSE2020	Gpixel GSENSE2011
Peak QE	72%@595 nm	
Chrome	Mono	
Array Diagonal	18.8 mm	15.3 mm
Effective Area	13.3 mm x 13.3 mm	13.3 mm x 7.5 mm
Resolution	2048 (H) x 2048 (V)	2048 (H) x 1152 (V)
Pixel Size	6.5 μm x 6.5 μm	
Full Well Capacity	Typical: 43 Ke-	Typical: 45 Ke-
Frame Rate	40 fps@16 bit 45 fps@8 bit	70 fps@16 bit 80 fps@8 bit
Readout Noise	Typical: 2.1 e ⁻ (Median)	
Shutter Mode	Rolling	
Exposure Time	10 μs~10 s	
Binning	2 x 2, 4 x 4	
ROI	Support	
Trigger Mode	Hardware, Software	
Trigger Output	Exposure Start, Readout End, Trigger Ready	Exposure Start, Readout End,
Trigger Interface	Hirose	
Data Interface	USB 3.0	
Bit Depth	8 bit, 12bit, 16 bit	
Optical Interface	C-mount	
Power Supply	12 V / 8 A	
Power Cons.	< 4 W	
Dimensions	56 mm (H) x 56 mm (W) x 61.7 mm (L)	
Weight	305 g	
Software	Mosaic 3.0, LabVIEW, MATLAB, Micro-Manager 2.0, Sample Pro	
SDK	C / C++ / C# / Python	
Operating System	Windows, Linux	
Environment	Temp. 0°C~40°C, HUM 10%~85%	

