

Cooled FSI sCMOS Camera

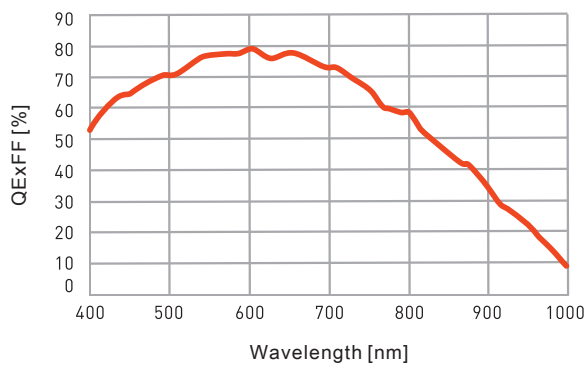
Dhyana 400D

TUCSEN

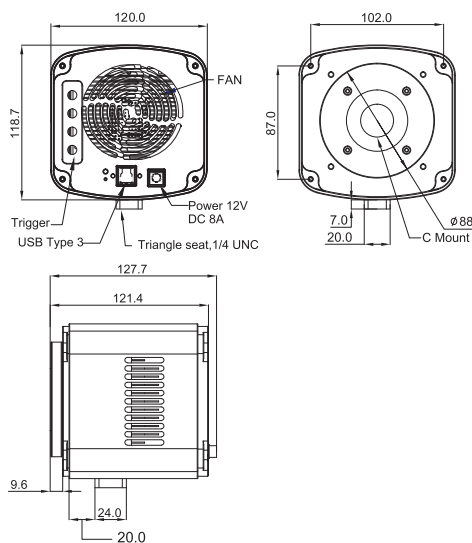


Key Features

- 1.2" area
- 6.5 μ m x 6.5 μ m pixel size
- 80% peak QE
- 30ke- full well capacity
- 35fps@full resolution
- USB3.0 interface



Product structure (unit: mm)



Specifications

Model	Dhyana 400D
Sensor model	FSI sCMOS
Shutter type	Rolling
Color/Mono	Mono
Effective area	13.3mm x 13.3mm
Resolution	2048(H) x 2040(V)
Pixel size	6.5 μ m x 6.5 μ m
QE	80%@600nm
Full-Well capacity	30ke-
Dynamic Range	85dB
Frame rate	35fps
Readout noise	HDR: 2.5e-; HighGain: 2e-
Exposure time	13 μ s-10s
Cooling Method	Forced air
Cooling temperature	Forced air (Ambient at +25°C): -10°C
Dark current	0.6 e-/pixel/s @ 0°C; 0.35 e-/pixel/s @ -10°C
Binning	2x2
ROI	Support
Trigger Mode	Hardware & Software
Output Trigger Signals	Exposure, Global, Readout
Trigger Interface	SMA
Data Interface	USB3.0
Data Bit Depth	16bit
Optical Interface	C-mount
Power Supply	12V/8A
Power Consumption	60W
Dimensions	120mm x 119mm x 121mm
Weight	1853g
Software	Mosaic / LabVIEW / Matlab / Micromanager
SDK	Support
Operating System	Windows/Linux
Operating Environment	Temperature 0~40°C / Humidity 10~85%

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