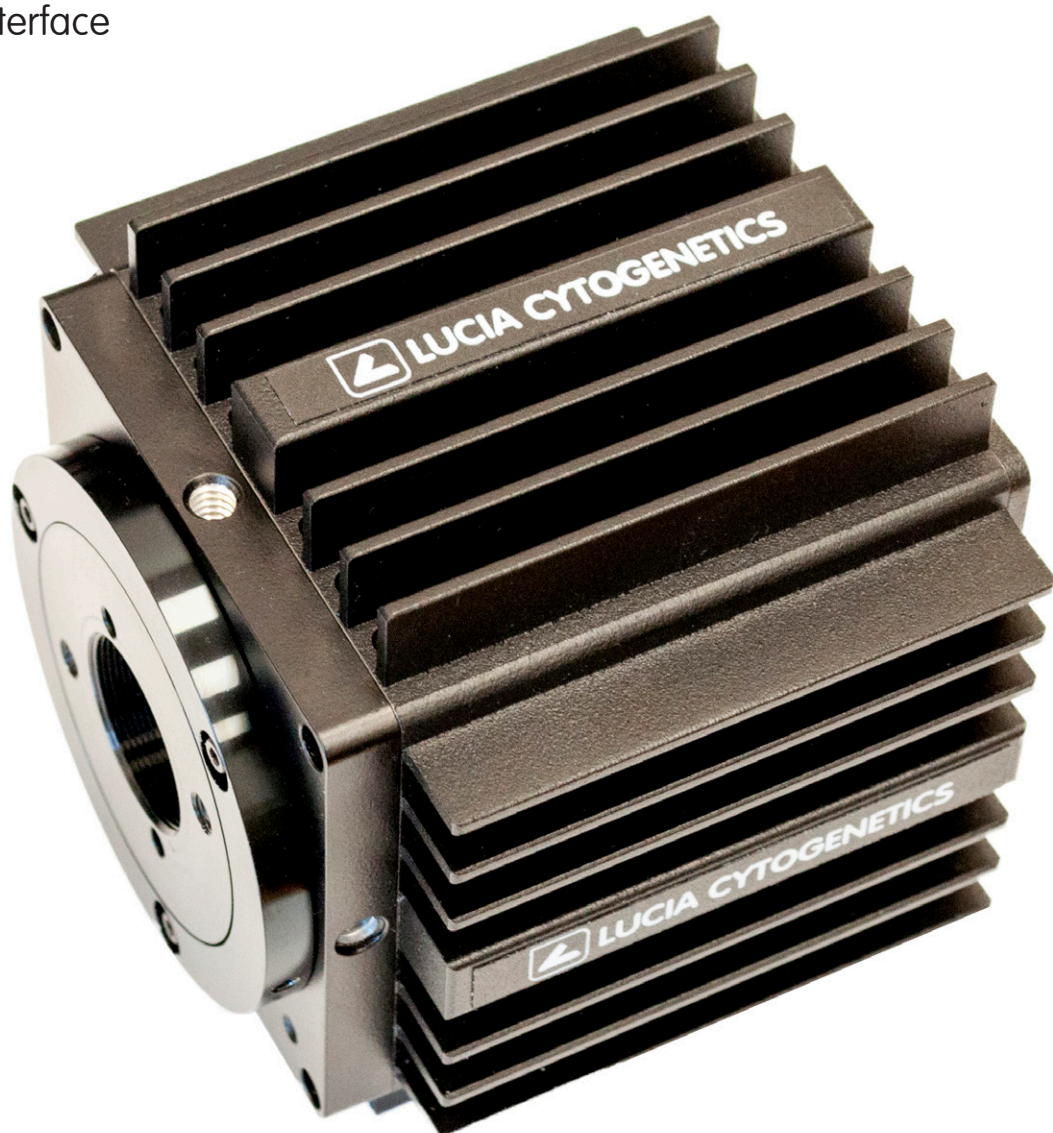




LUCIA QI825 Camera

Improves your image

- Sensor cooling
- Sony CCD 2/3" monochrome sensor
- CCD Array 1360 x 1024
- 22 fps at full resolution
- up to 60 min exposure time
- USB 3.0 digital Interface
- 1", C-mount optical interface



Full Camera Specification

Sensor Type	Sony ICX-825 Scientific Interline CCD monochrome
CCD Array	1360 x 1024
Pixel Size	6.45 μm x 6.45 μm
Active Area	8.8 mm x 6.6 mm (11 mm diagonal)
Peak Quantum Efficiency	75% at 600 nm
Full Well Capacity	>11,000e- single pixel
Digital Output	14 bit at 50 MHz
Digitization Rate	USB3 – 50 MHz high frame rate, 650 kHz low noise mode USB2 – 17.5 MHz high frame rate, 650 kHz low noise mode
Read Noise (typical)	50 MHz – < 7 e- RMS 650 kHz – < 5 e- RMS
Frame Rate	22 fps at full resolution 31 fps binned 2x2
Exposure Time Range	25 μs – 5 sec
Supported Binning Modes	1x1, 2x2, 4x4, 6x6, 8x8, 12x12, 16x16
Dark Current Rate (typical)	0.0005 e/p/s at -20C regulated
Sensor Cooling	0° C stabilized at 22° C ambient Thermoelectric cooling with forced air
Operating Systems/Platforms	Windows 7 (64 bit), Windows 8 (64 bit), and Windows 10 (64 bit)
Digital Interface	USB 3.0 (USB 2 compatible at reduced max fps)
Optical Interface	1", C-mount optical format
Mounting Hole Thread Size	1/4" - 20 thread, 4 sides
Camera Dimensions	98.4 mm x 76 mm x 76 mm (length x width x height)
Weight	0.72 kg, 1.55 lb
Power Requirement	7V DC, 2.5A
Supplied Accessories	Power Cords (GB, US, EU, CN, JP), Power Supply, USB 3.0 Cable, Trigger Cables, Sensor Plug, Grounding Cable