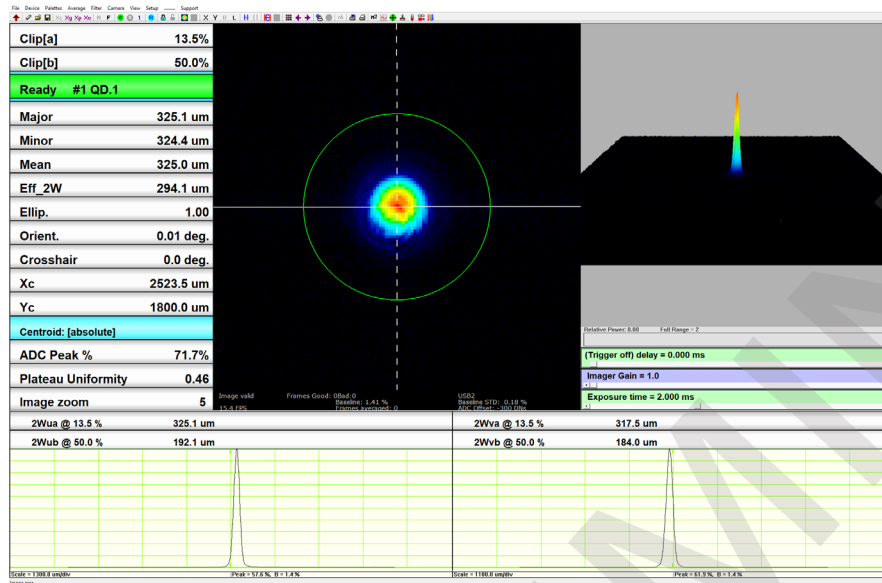


WinCamD-QD-1550

High resolution beam profiling at 1550 nm (400-1700 nm)

The WinCamD-QD-1550 is an imaging solution for lasers in the visible and SWIR range. With 15 μm pixels, a wavelength range of 400-1700 nm, and a global shutter, the WinCamD-QD-1550 offers unparalleled beam profiling capabilities. With a signal-to-noise ratio that exceeds 2100:1, the WinCamD-QD-1550 is capable of ISO 11146 compliant beam measurements. The colloidal quantum dot sensor features very high sensitivity, and the global shutter allows for use with pulsed sources.



The WinCamD-QD-1550 is supported by DataRay's full-featured, highly customizable, user-centric software which has no license fees, unlimited installations, and free software updates. The software supports M^2 measurements using our M2DU stages.

For higher power lasers, DataRay offers a range of sampling, absorbing, and reflecting attenuators for use with beam powers exceeding the camera's maximum power limits.

System Features

- Quantum dot sensor, optimized for 1550 nm
- Covers wavelengths 400 to 1700 nm
- Multiple active area options, to 1920 x 1080
- 15 μm pixels
- 14-bit ADC
- Global shutter; supports pulsed and CW beams
- >2100:1 dynamic range
- In-firmware NUC
- Parallel capture on multiple cameras
- M^2 measurements
- GigE or USB 3.0 with 3 m screw locking cable
- GigE Vision/USB3 Vision support

Applications

- 1550 nm laser profiling
- Field servicing of 1550 nm lasers and laser-based systems
- Optical assembly & instrument alignment
- Beam wander & logging
- M^2 measurement with available M2DU stage



WinCamD-QD-1550
66 x 66 x 99 mm