Sintec Optronics 新特光电

TaperCamD-LCM
Large Area CMOS Beam Profiler

With a large 25 x 25 mm active area, 4.2 Mpixels, 12.5 x 12.5 μm (effective) pixels, optical and electronic triggering of a global shutter, and an SNR of 2500:1, the TaperCamD-LCM offers the largest active sensor area on a USB-port powered laser beam profiling device. By combining the high signal-to-noise ratio and global shutter of the WinCamD-LCM with a high-quality fiber optic taper, the TaperCamD-LCM offers a very compact, easy-to-use solution for measuring a variety of large CW or pulsed lasers.
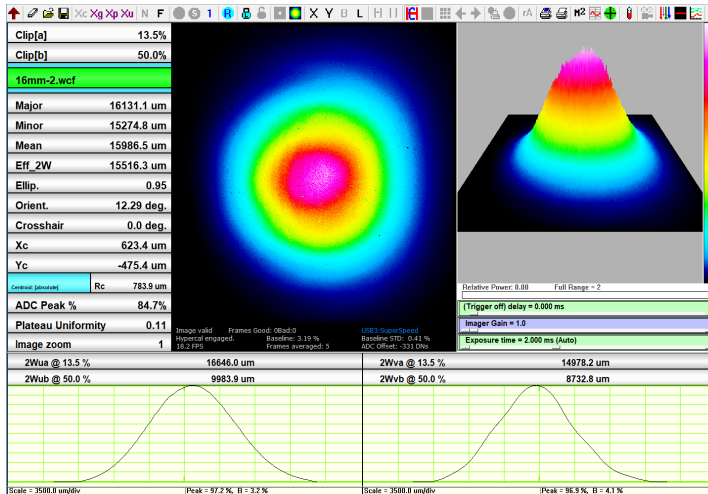
The TaperCamD-LCM is paired with DataRay's full-featured, highly customizable, user-centric software (which has no license fees, unlimited installations, and free software updates). It is perfect for applications including: CW and pulsed laser profiling; field servicing of laser systems; optical assembly; instrument alignment; beam wander and logging; R&D; OEM integration; and quality control.

System Features
- 355 - 1150 nm (CMOS)
- 4.2 MPixel, 2048 x 2048 pixels, 25 x 25 mm active area
- 12.5 μm (effective) pixels
- 2,500:1 Signal to RMS Noise
- 60 fps @ 512 x 512, 30 fps @ 1024 x 1024, 12 fps @ 2048 x 2048
- Port-powered USB 3.0
- HyperCal™ – Dynamic Noise and Baseline Correction software
- Includes 2" (50.8 mm) NDXL ND filters
- Global shutter with TTL trigger
- Electronic auto-shutter, 85 μs to 2 sec (44 dB)
- 12-bit ADC
- Isolated pulse triggering
- Parallel capture on multiple cameras

TaperCamD-LCM
2.25 x 2.25 x 2.13 in
57 x 57 x 54 mm

Applications
- CW & pulsed laser profiling
- Field servicing of lasers and laser-based systems
- Optical assembly & instrument alignment
- Beam wander & logging