新特光电
Sintec Optronics

WinCamD-GCM 1" GigE Vision

CMOS Beam Profiling Camera

Using a 11.3 x 11.3 mm active area, 4.2 MPixel, 5.5 x 5.5 µm pixels, and a global shutter (the same sensor as the WinCamD-LCM), the WinCamD-GCM utilizes GigE Vision for longer range applications (cable lengths up to ~100m). The WinCamD-GCM is paired with DataRay's full-featured 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; quality control; and M^2 measurement with available M2DU stages.

System Features

- GigE Vision connectivity
- 355 - 1150 nm (CMOS)
  - TEL sensor options for 1480 - 1610 nm
  - UV and 1310 nm options available
- 4.2 MPixel, 2048 x 2048 pixels, 11.3 x 11.3 mm active area
- 5.5 µm pixels
- MagND™ stackable magnetic ND filters or C-mount filters
- 2,500:1 Signal to RMS Noise
- Global shutter with TTL trigger
- Electronic auto-shutter, 40 µs to 2 sec (47 dB)
- 12-bit ADC
- Isolated pulse triggering
- Parallel capture on multiple cameras
- Window-free sensors standard for no fringing
- ISO 11146 M^2 option – beam propagation analysis, divergence, focus
- Available for large beam (LBPS) and line laser (LLPS) profiling systems

WinCamD-GCM
2.9 x 2.9 x 2.1 in
72.6 x 72.6 x 54.2 mm

Applications

- Long range applications which require long cabling
- CW & pulsed laser profiling
- Field servicing of lasers and laser-based systems
- Optical assembly & instrument alignment
- Beam wander & logging
- M^2 measurements