

OptiMAT系列电子自准直平行光管 OptiMAT Series Collimators & Electric Telescope



OptiMAT系列低成本电子平行光管/准直望远镜结合了我公司电子目镜专利技术、高分辨率图像传感技术和嵌入式数字图像处理技术。

OptiMAT由电子读数头和物镜管构成。运行于显示控制器的望远镜软件可显示电子目镜及电子分划板；系列产品采用了小型化设计技术，为用户提供了高性价比的角度测量检测方案。

用户可通过选配其它测量配附件及测量软件完成各种光学测量应用，是光学加工、计量实验室等传统光学自准直仪的理想替代产品。

The **OptiMAT** series Collimators & Electric Telescope integrates high resolution image sensors and large field electronic viewfinder technology. This series of products, features a compact design and USB 2.0 high speed interface, is ideal replacement for optical telescope for factories and labs.

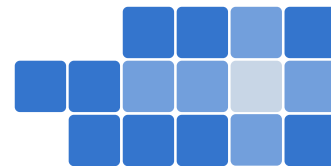
The new ergonomically adapted measurement software ensures a maximum usability with complete functionality.

软件功能 (Software Support)

- 视频图像显示 (Video Image Display)
- 电子分划板 (Electronic Reticle);
- 多种分划板可选 (Multiple Reticle);

典型应用 (Typical Applications)

- 光学产品装配及调整 (Assembly and adjustment of optical components like mirrors, prisms, windows, wedges etc.);
- 物理及光学实验室 (Alignment of components for the beam control in high energy physics);



规格 (Specifications)

| 型号 Order Number | CM-100 | CM-150 | CM-200 | CM-300 |
|---------------------------|--|--------|--------|--------|
| 物镜焦距 (Focal Length) | 100mm | 150mm | 200mm | 300mm |
| 物镜口径 (Lens Diameter) | 38.1mm (NA. = 85%) | | | |
| 光源类型 (Light Source) | 大功率半导体光源 LED Light Source (中心波长 $\lambda=630\text{nm}$) | | | |
| 探测器 (Sensors) | 高分辨率图像传感器 (High Resolution Image Sensors) | | | |
| 目镜 (Viewfinder) | 电子目镜 (Electronic Viewfinder) | | | |
| 频响 (Measuring Frequency) | 7.5Hz TYP. | | | |
| 接口 (Interface) | USB 2.0 High Speed Interface | | | |
| 测量距离 (Measuring Distance) | 10米 (10 meter MAX.) | | | |
| 视场 (Viewing Range) | 3° | 2° | 1.5° | 1° |
| 望远镜分辨率 (Resolution) | 10.8" | 7.2" | 5.4" | 3.6" |
| 尺寸 (Dimensions) | 175mm/225mm/275mm/375mm (L)×60mm (W)×100mm (H) | | | |

产品特性 (Features)

- 可作为平行光管或电子望远镜使用；
- 实时视频影像显示；
- 电子目镜技术及多种可选择的电子分划板 (Multiple Reticles)
- 高分辨率图像传感器 (High resolution image Sensor);
- 长寿命LED光源 (Long life Light Sources);
- 全数字信号处理 (Digital image processing technology);
- 即插即用USB接口 (USB 2.0 high speed interface);
- 小型化设计 (Compact design);
- 丰富的测量配附件 (Rich accessories);

