



Electro Optical Components, Inc.

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Teaching Demonstration System

An integrated device for optical demonstration based on spatial light modulator



- Position: Classroom teaching demonstration, laboratory teaching
- Objects: universities and colleges of optics, optoelectronics, science and technology majors; middle school optics science
- Textbook: Physical Optics, Information Optics, Advanced Optics, University Physics, Optics
- Experimental content: a total of 19, including interference, diffraction, computational holography, convolution, etc.

Features

- Closely integrated with teaching materials, and select teaching materials and experiments according to the needs.
- High integration without too many moving parts
- Experiments are easy to do, fixed-point positioning
- Small size and light weight, easy to carry and use
- The result is easy to demonstrate: capture with CCD, watch with projector

Experiments

- Convolution
- Single Slit Diffraction
- Grating Diffraction
- Aperture Diffraction
- Taber effect
- Fresnel Diffraction
- Young's Double Slit Interference
- Spherical wave, Cylindrical wave
- Diffraction of other shaped holes
- Optical rotation
- Crystal electro-optic effect
- Optical transformation properties of lenses
- Abbe's Secondary Imaging
- Abbe-Porter experiment
- Digital Holographic Reconstruction
- 4f Spatial Frequency Filtering System
- Generation and inspection of polarized light
- Single Lens Imaging with Aperture Diaphragm

