

# CHAPTER 10 EDUCATIONS

# LIQUID CRYSTAL DISPLAY EDUCATION KIT



## Applications

- Computer generated holography.
- Hybrid Compute-Controlled Optical Correlator for Multiple Target Recognition.
- Optical-data processing/Liquid-Crystal television spatial light modulator.
- Acousto-optic space integration correlator.
- Color encoding of holographic interferometric fringe patterns with white-light processing.
- Coherent optical implementation of generalized two-dimensional transforms.

## Features:

1. Including foundation experiment for light and three subjects of optical experiment
2. Each subject includes several test items for practical training and verifying
3. This system could be practiced in proper sequence in experiment course
4. Each of them includes manual specifying physics principle and experiment steps
5. Simplified designs for easy assembling and operating
6. Module designs for all kinds of education purpose and experiment

SLM-EK	Liquid Crystal Display Education Kit	1Set
	Includes	
1	DPSS Green Laser,30.0mW	1
2	Precision Laser Mounts(100pitch)	1
3	Precision Spatial Filter (W/Micrometer) Travel (X.Y)±2.0mm. Resolution 0.01mm	1
4	Microscope Objectives,10X	1
5	Precision Pinhole,φ25μm (Low Power)	1
6	Precision Mirror	2
7	Precision Mirror Mount(100 pitch)	2
8	Iris	2
9	Collimator Lens, φ50mm, F 100mm	1
10	Plano-convex Lens φ50mm, F 200mm	1
11	Plano-convex Lens φ50mm, F 300mm	1
12	Plano-convex Lens φ50mm, F 400mm	1
13	Expanding Lens φ50mm, F -100mm	1
14	Polarizer	2
15	Polarizer Mount	2
16	Plate Holder, 50x50mm	1
17	Spatial Light Modulator	1
18	Lens Holder	3
19	Posts & Holders,φ12mm.A 75mm	13
20	Base Clamp	13
21	Photo Detector	1
22	Electricity Meter	1
23	Optical Breadboard (250 x 450 x 10 mm)	1
24	Laser Safety Eyewear	1
25	Screw Kit	1
26	Manual	1
27	Digital to Analog converter	1
28	Suit Case	1