

상 세 규 격 서

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16	633 nm, f=12.00 mm, NA=0.28, FC/PC Triplet Collimator	ea	4	

상 세 내 역

1. 구성

1. 30mm to 60mm Cage Plate Adapter, M4Tap
2. 50 mm (1.97") Motorized Translation Stage, M4 and M3 Taps
3. Right-Angle Bracket for MTS50 Series Translation Stages
4. XY Adapter Plate for MTS50 Series Translation Stages
5. Base Plate for MTS50 Series Translation Stages
6. K-Cube Brushed DC Servo Motor Controller
7. Dovetail Optical Rail, 150 mm, Metric
8. Dovetail Optical Rail, 450mm, Metric
9. Dovetail Optical Rail, 300mm, Metric
10. Dovetail Optical Rail, 75 mm, Metric
11. 30mm Cage Cube-Mounted Non-Polarizing Beamsplitter, 400-700nm, M4Tap
12. Z-Axis Translation Mount, 30 mm Cage Compatible
13. 30mm Cage System, XY Translating Lens Mount for Ø1"Optics
14. f=75mm, Ø1"Achromatic Doublet, SM1-Threaded Mount, ARC: 400-700nm
15. f=60mm, Ø1"Achromatic Doublet, SM1-Threaded Mount, ARC: 400-700nm
16. 633 nm, f=12.00 mm, NA=0.28, FC/PC Triplet Collimator

2. 구성

1. 30mm to 60mm Cage Plate Adapter, M4Tap
 - Couples 30 mm and 60 mm Cage Systems
 - Centered SM1 (1.035"-40) Tapped Hole Directly Accepts Ø1" Optics up to 0.35" (9 mm) Thick
 - 8-32 (M4) Tapped Hole for Mounting to Ø1/2" Posts
2. 50 mm (1.97") Motorized Translation Stage, M4 and M3 Taps
 - Built-In 50 mm (1.97") DC Servo Actuator
 - Includes One 8-32 (M4) and Eighteen 4-40 (M3) Tapped Holes
 - Bundles Available with KDC101 Controller and KPS101 Power Supply
 - Multi-Axis, Breadboard, and 60 mm Cage System Mounting Adapters Offered Below
3. Right-Angle Bracket for MTS50 Series Translation Stages
 - Vertically Mount an MTS50-Z8 Translation Stage
 - Designed for XZ or XYZ Configurations
 - Includes All Necessary Mounting Hardware and Alignment Pins for Orthogonality
4. XY Adapter Plate for MTS50 Series Translation Stages
 - Stack Two MTS50-Z8 Stages in an XY Configuration
 - Includes All Necessary Mounting Hardware and Alignment Pins for Orthogonality
5. Base Plate for MTS50 Series Translation Stages
 - Mount an MTS50-Z8 Stage to an Optical Table or Breadboard
 - Contains Four 1/4" (M6) Counterbored Slots for Imperial and Metric Compatibility
 - Includes All Necessary Mounting Hardware and Alignment Pins for Parallelism
6. K-Cube Brushed DC Servo Motor Controller
 - Front Panel Velocity Wheel and Digital Display for Controlling Motorized Stages or Actuators
 - Two Bidirectional Trigger Ports to Read or Control External Equipment
 - Interfaces with Computer Using Included USB Cable
 - Fully Compatible with Kinesis® or APTM Software Packages
 - Compact Footprint: 60.0 mm x 60.0 mm x 49.2 mm
 - Power Supply Not Included (See Below)
7. Dovetail Optical Rail, 150 mm, Metric
 - Our Smallest Optical Rails for Compact Construction

- 8-32 (M4 x 0.7) Tapped Holes on Both Ends
 - Compatible With Our Snap-On Rail Carriers
 - Engraved Scale for Precision Alignment of Optical Elements
8. Dovetail Optical Rail, 450mm, Metric
- Our Smallest Optical Rails for Compact Construction
 - 8-32 (M4 x 0.7) Tapped Holes on Both Ends
 - Compatible With Our Snap-On Rail Carriers
 - Engraved Scale for Precision Alignment of Optical Elements
9. Dovetail Optical Rail, 300mm, Metric
- Our Smallest Optical Rails for Compact Construction
 - 8-32 (M4 x 0.7) Tapped Holes on Both Ends
 - Compatible With Our Snap-On Rail Carriers
 - Engraved Scale for Precision Alignment of Optical Elements
10. Dovetail Optical Rail, 75 mm, Metric
- Our Smallest Optical Rails for Compact Construction
 - 8-32 (M4 x 0.7) Tapped Holes on Both Ends
 - Compatible With Our Snap-On Rail Carriers
 - Engraved Scale for Precision Alignment of Optical Elements
11. 30mm Cage Cube-Mounted Non-Polarizing Beamsplitter, 400-700nm, M4Tap
- Three Wavelength Ranges Available (400-700nm, 700-1100nm, 1100-1600nm)
 - Split Ratio of 50:50
 - Four SM1-Threaded (1.035"-40) Ports
 - 4-40 Tapped Holes for 30 mm Cage Components
 - Bottom-Located 8-32 (M4) Tapped Hole for Post Mounting
12. Z-Axis Translation Mount, 30 mm Cage Compatible
- Compatible with 30 mm Cage Systems
 - Mount \varnothing 1" Optics up to 0.28" (7.1 mm) Thick
 - Flexure Design Provides 2.0 mm (0.079") of Travel
 - Actuator Knob Graduated in 1 μ m Increments
 - SM1-Threaded (1.035"-40) Bore is Compatible with Our SM1 Lens Tubes
13. 30mm Cage System, XY Translating Lens Mount for \varnothing 1" Optics
- Accepts \varnothing 1.00" (\varnothing 25.4 mm) Optics up to 0.39" (10.0 mm) Thick
 - \pm 1 mm Travel in X and Y via 3/16"-100 Adjusters
 - Compatible with 30 mm Cage Systems
 - SM1 (1.035"-40) Threading for Compatibility with Our Extensive Line of SM1 Lens Tubes
14. f=75mm, \varnothing 1" Achromatic Doublet, SM1-Threaded Mount, ARC: 400-700nm

- AR Coated for the 400 - 700 nm Range
- Diameters from 5 mm to 2" Available
- Engraved Threaded Housing Enables Easy Integration into Thorlabs' Optomechanics
- Housing on Lenses Ø1/2" and Larger Includes Focal Length and Coating Information
- Focal Lengths Available: 7.5 mm to 1000 mm

15. f=60mm, Ø1" Achromatic Doublet, SMI-Threaded Mount, ARC: 400-700nm

- AR Coated for the 400 - 700 nm Range
- Diameters from 5 mm to 2" Available
- Engraved Threaded Housing Enables Easy Integration into Thorlabs' Optomechanics
- Housing on Lenses Ø1/2" and Larger Includes Focal Length and Coating Information
- Focal Lengths Available: 7.5 mm to 1000 mm

16. 633 nm, f=12.00 mm, NA=0.28, FC/PC Triplet Collimator

- Alignment wavelength : 633 nm
- AR coating : 400 ~ 650 nm
- Waist Diameter : 2.24 mm

3. 기타사항

가. 설치위치 : 경북 구미시 구미대로 350-27 3D디스플레이 부품소재실용화지원센터 106호

나. 설치개요 : 규격서의 조건에 맞는 광학 소자 납품

다. 납품기한 : 계약일로 부터 90일 이내

라. 계약의 이행

- 1) 본 규격서에 대한 주계약자(이하 "계약자" 라 한다)와 발주기관 간의 해석상 이견은 발주기관의 해석에 따라야 하며, 본 규격서에 특별히 명시되지 않은 사항은 정부계약법 등의 규정과 일반 관례에 따른다.
- 2) 발주기관은 계약내용 전부에 대한 권리를 행사할 수 있으며 계약자는 이에 대하여 전적으로 동의해야 한다.
- 3) 본 규격서에 명시된 모든 조항은 본 사업의 원활한 추진에 필요한 최소한의 사항만을 규정하였으므로 상세히 기술하지 않았거나 누락된 사항에 대해서도 정상운영 및 서비스에 문제가 발생되지 않도록 계약자는 사전 조치를 취하여야 한다.
- 4) 본 규격서에서 요구하는 성능 및 특성에 대해 계약자의 오인 또는 누락된 상태로 계약 체결되어, 계약 후 이를 보완하기 위한 설계 변경, 물품 등을 추가해야 할 경우 계약자 부담으로 시행한다.
- 5) 계약자는 공급하는 제품의 성능, 품질 등에 대한 최종적인 책임을 진다.

4. 기타조건

가. 납품기한 : 계약 후 90일 이내

나. 규격관련 문의사항 : 실감미디어연구센터 우성수 선임연구원(054-460-9092)