

D-TOP Module

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Laser Module | DTM-05-LHP-111



Module for He-Ne laser of the linearly polarized light with excellent coherence
Wavelength Range: 632.8nm
Output: 1mW
Beam height and angle can be adjusted.

Product Name	Part Number	Quantity	Optical Axis Height [mm]
He-Ne Laser	05-LHP-111	1	
Laser Power Source	05-LPL-911-065	1	
Laser Holders	LAH-1	1	41
Spacer	LAH-SP	1	4
Optical Axis Height			45

Polarizer Module | DTM-SPF-30C-32



Module for converting the polarization direction and adjusting the light amount.
Extinction Ratio: 10^{-4}

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Visible Polarized Filter	SPF-30C-32	1	
Polarizer Holders	MPHN-30R-N	1	27.5
φ20 Post Holder	PS20-12.5	1	12.5
D-TOP Base Plate	DBSP-2	1	5
Optical Axis Height			45

Plate Half Mirror Module | DTM-PSMH-30C03-10-550



Module using a plate half mirror. The branching ratio of reflected light and transmitted light is 1:1. Chromatic aberration and spherical aberration by the thickness of the glass are small.

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Broadband Dielectric Half Mirrors	PSMH-30C03-10-550	1	
Mirror Holder	MHG-MP30-NL	1	25
φ20 Post Holder	PS20-20	1	20
D-TOP Base Plate	DBSP-1	1	0
Optical Axis Height			45

C Mount Module | DTM-CMH



Module using a color camera of USB output. It is possible to project the image to a PC. There is a mechanism to focus by adjusting the camera position, Easy replacement in case of C-mount camera.

Product Name	Part Number	Quantity	Optical Axis Height [mm]
2Mega-pixels USB2.0 Camera	STC-MCA5MUSB3	1	
C-mount Camera Holder	DTCH-C-20	1	20
Dovetail Stage	TARW-25501	1	22
Base Plate	DTCBP-4050	1	3.5
Optical Axis Height			45.5

Mirror Module | DTM-TFA-30C05-10



Module that is bent 90 degrees to the optical path using a mirror with high surface accuracy. Optical axis will be able to match to the center of the mirror.

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Mirror	TFA-30C05-10	1	
Mirror Holder	MHG-MP30-NL	1	25
φ20 Post Holder	PS20-20	1	20
D-TOP Base Plate	DBSP-1	1	0
Optical Axis Height			45

Hybrid Cube Half Mirror Module | DTM-HBCH-20-550



Module using a half mirror of broadband cube. The branching ratio of reflected light and transmitted light is 1:1. The ratio remains unchanged even if the polarization state of the incident light is changed.

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Hybrid Cube Half Mirrors	HBCH-20-550	1	10
Prism Holder	KSP-DT	1	7
θ axis Rotation Stages	KSP-406M	1	13
Spacer	SP-40T	1	5
φ20 Post Holder	PS20-10	1	10
D-TOP Base Plate	DBSP-1	1	0
Optical Axis Height			45

Lens Module (Plano Convex Lenses) | DTM-SLB-30-50PM



Modules for forming the sample to the image sensor or focusing the light on the detector
Focal length: 50mm
Clear aperture: φ27mm

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Plano Convex Lenses (BK7)	SLB-30-50PM	1	
Lens Holder	LHCM-30-N	1	30
φ20 Post Holder	PS20-10	1	10
D-TOP Base Plate	DBSP-2	1	5
Optical Axis Height			45

1/4 (or 1/2) Waveplate Module | DTM-WPQ-6328-4M (or -2M)



Module converting the polarization state by using a wavelength plate. 1/4 wavelength plate converts linearly polarized light to circularly polarized, 1/2 wavelength plate rotates the polarization direction.
Wavelength: 632.8nm

Product Name	Part Number	Quantity	Optical Axis Height [mm]
1/4 (or 1/2) Waveplates (633nm)	WPQ-6328-4M (or-2M)	1	
Mini-Polarizer Holders	MPHN-30R-N	1	27.5
φ20 Post Holder	PS20-12.5	1	12.5
D-TOP Base Plate	DBSP-2	1	5
Optical Axis Height			45

PBS Module | DTM-PBS-20-6328



Combined or separated vertically polarized light and horizontally polarized light.
Wavelength Range: 632.8nm

Product Name	Part Number	Quantity	Optical Axis Height [mm]
He-Ne Laser	PBS-20-6328	1	10
Prisms Holders	KSP-DT	1	7
θ axis Rotation Stages	KSP-406M	1	13
Specer	SP-40T	1	5
ϕ 20 Post Holders	PS20-10	1	10
D-TOP Base Plate	DBSP-1	1	0
Optical Axis Height			45

Moveable Mirror Module | TFA-30C05-10-TSD-401S



Module that can vary the optical path length by moving a mirror reflected vertically to a stage.
Travel: ± 6.5 mm

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Aluminum Mirrors	TFA-30C05-10	1	
Mirror Holder	MHG-MP30-NL	1	25
Aluminum Spacers	MSP-4002	2	4
X axis Steel Extended Contact Slide Stages	TSD-401S	1	16
Optical Axis Height			45

Small Sample Holder Module | DTM-MLF-SF



In order to grab a very small sample, module that is diverted to SELFOC[®] lens holder.
Sample image size: $\phi 15 - \phi 3$ mm

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Selloc [®] Lens Claws	MLH-SF	1	
Selloc [®] Lens Claws	MLH-10ADP-2	1	
Fiber Optics Holders	FOP-1	1	25
ϕ 20 Post Holder	PS20-15	1	15
D-TOP Base Plate	DBSP-2	1	5
Optical Axis Height			45

Prototype Beam Splitter Module | DTM-PSM33-30C03-10W-550



Beam splitter module that is used for the reference surface of the Fizeau interferometer.
To enhance the contrast of the interference fringes, the branching ratio of reflection and transmission is adjusted to 1:2

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Dielectric Plate Beam splitters	PSM33-30C05-10W-550	1	
Mirror Holder	MHG-MP30-NL	1	25
ϕ 20 Post Holder	PS20-20	1	20
D-TOP Base Plate	DBSP-1	1	0
Optical Axis Height			45

Lens Module | DTM-SLB (or DLB) -***-***



Module that can specify the lineup of achromatic lens or single lens of the outer diameter of $\phi 15$ mm and $\phi 10$ mm.
When selecting a LHCM-10 to the lens holder, due to the interference with $\phi 20$ mm post stand, two washers are inserted in between.

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Lens	SLB (or DLB) -***-***	1	
Lens Holder	LHCM-***	1	**
M4 Washers (t=1mm)	W1 (LHCM-10 only)	2	2
ϕ 20 Post Holder	PS20-***	1	**
D-TOP Base Plate	DBSP-2	1	5
Optical Axis Height			45

Optical Path Switching Mirror Module | TFA-30C05-10-TSD-40801S



Module that can remove the mirror holder in the long stroke stage from the optical axis.

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Aluminum Mirrors	TFA-30C05-10	1	
Mirror Holder	MHG-MP30-NL	1	25
Mirror Spacers	DSP-4080	1	4
X axis Steel Extended Contact Slide Stages	TSD-40801S	1	16
Optical Axis Height			45

Concave Sample Holder Module | TAT-AD20-TSD-40801S



Module that can fix the test concave sample and adjust precisely.
Test concave mirror
outer diameter: $\phi 20$ mm
Thickness: -6 mm

Product Name	Part Number	Quantity	Optical Axis Height [mm]
Lens Adapters	TAT-AD20	1	
Two-axis Pinhole / Objective Holders	TAT-16DM-M3	1	30
X axis Steel Extended Contact Slide Stages	TSD-40801S	1	16
Optical Axis Height			46

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