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Callisto 930 nm OCT Imaging System

**Callisto Series
Spectral Domain OCT
Imaging System**

High-Sensitivity Imaging

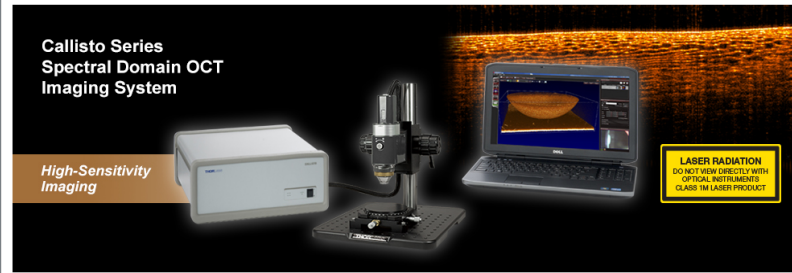LASER RADIATION
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OPTICAL INSTRUMENTS
CLASS 1M LASER PRODUCT

| **Overview** | Software | OCT Tutorial | Brochures | Feedback | Selection Guide |

Features

- Configurable OCT Systems Optimized for High-Sensitivity Imaging
  - 1.2 kHz A-Scan Rate and 107 dB Sensitivity
    - 7 µm Axial Resolution in Air with 1.7 mm Imaging Depth (930 nm Center Wavelength)
- Includes Computer and ThorImage®OCT Software Package (See the *Software* Tab)
- Build-Your-Own and Preconfigured Systems Available
- See the *Brochures* Tab for More Information on Thorlabs' OCT Systems

Choose Components to Build or Customize Your OCT System

- One 930 nm, High-Sensitivity Base Unit (Required)
- Standard, User-Customizable, and Handheld Scanners Available
- Scan Lens Kits to Optimize Lateral Resolution and Focal Length for Your Application
- Ring- and Immersion-Style Sample Z-Spacers for Air or Liquid Imaging Applications
- Scanner Stand and Translation Stage Accessories
- Contact Our OCT Team to Request a Quote and Discuss Building a System

Optical Coherence Tomography (OCT) is a noninvasive optical imaging technique that produces real-time, 2D cross-sectional and 3D volumetric images of a sample. This technique provides structural information about the sample based on light backscattered from different layers of material within that sample, producing images with micron-level resolution and millimeters of imaging depth. OCT imaging can be considered as an optical analog to ultrasound imaging that achieves higher resolution at the cost of decreased penetration depth. In addition to high resolution, the non-contact, noninvasive nature of OCT makes it well suited for imaging samples such as biological tissue, small animals, and industrial materials.

Thorlabs' Callisto Series of OCT Imaging Systems are designed for high sensitivity and are ideal for imaging static, *in vitro* samples. The 64-bit software pre-installed on the included computer displays and processes 2D and 3D OCT data in real time. Choose from a number of scanner options including a robust standard scanner, user-customizable scanner, and the portable handheld scanner. Optional accessories are available below to customize your OCT system to meet the requirements of your application. Additionally, Thorlabs offers a complete, preconfigured OCT system for 930 nm based on the components sold on this page.

The components below can also be used to upgrade your existing Thorlabs OCT system with additional features and are fully compatible out of the box with Thorlabs' OCT systems and accessories. While most systems are upgradable, we recommend contacting the OCT Team to determine the optimal solution for your system and intended application.

Exploring the Options?
We can provide recommendations based on your needs and partner with you to obtain images of samples provided by you demonstrating the effects of various components on image quality. Demos of our OCT systems can be arranged at our Sterling, VA (USA); Shanghai, China; Tokyo, Japan; and Lübeck, Germany facilities.

OCT Applications Team Based in Lübeck, Germany

We're Happy to Assist!

Contact Us

In the Budgetary Phase?
System prices vary based on the exact components. Through our conversations, we can ensure your system quote is tailored to your requirements.

OEM or Custom Projects?
Click here to learn about our OEM capabilities.

OCT System Comparison ✓

Customization Guide

Click on the Image Below or in the Table to the Right for Details on Customization Options

Application Articles

Components and Accessories
OCT Base Unit (Computer Included)
Scanning System
Scan Lens Kit
Reference Length Adapter (For Standard Scanners Only)
Sample Z-Spacer
Adjustable Scanner Stand
Translation Stage
Preconfigured System (Z-Spacer Not Included)

Callisto Series Complete Preconfigured System   ▲

CAL110C1

🔍 Zoom

▶ Complete Preconfigured 930 nm OCT Imaging System
▶ High-Sensitivity Imaging (See Tables Below)
▶ Fully Customizable Using Other Callisto Series Components

Thorlabs offers this complete, preconfigured Callisto OCT system, which is fully compatible with all Callisto Series OCT components. The CAL110C1 configuration features a center wavelength of 930 nm and is designed for high-sensitivity imaging applications.

This Callisto Series OCT system configuration is built completely from components sold in sections located lower on this page. This preconfigured system includes the three mandatory OCT system core components (the base unit, a scanning system with its reference length adapter, and a scan lens kit), as well as two optional accessories (scanner stand and translation stage). For more information about a component included in the preconfigured system, click on the component description in the table to the lower left to navigate down to the related section on this page.

For information about the CAL110C1 system or to inquire about custom configurations, please contact oct@thorlabs.com.

Preconfigured System Included Components	
System Item #	**CAL110C1**
Base Unit	CAL110
Scanning System	OCTG-900 (Standard Scanner)
Scan Lens Kit	OCT-LK3-BB
Reference Length Adapter	OCT-RA3
Accessories: Stand and Stage	OCT-STAND(/M) (Scanner Stand) and OCT-XYR1(/M) (Translation Stage)

a. Click on the component description to navigate down to the related section on this page.

Preconfigured System Key Specifications	
System Item #	**CAL110C1**
Imaging Depth (Air/Water)	1.7 mm / 1.3 mm
Axial Resolution (Air/Water)	7.0 µm / 5.3 µm
Lateral Resolution	8 µm
A-Scan/Line Rate	1.2 kHz
Sensitivity	107 dB

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Number - Universal	Price	Available
🛒		📄	**CAL110C1** Spectral Domain OCT System, 930 nm, 7.0 µm Resolution, 1.2 kHz	$37,131.50	Lead Time

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OCT Base Unit (Required OCT System Component)   ▲

CAL110

🔍 Zoom

▶ 930 nm High-Sensitivity Base Unit
▶ 107 dB Sensitivity at 1.2 kHz A-Scan Rate
▶ 1.7 mm Imaging Depth and 7 µm Axial Resolution

The imaging performance of any OCT system is largely dependent on the design and components incorporated into the base unit. All of Thorlabs' OCT Base Units include an OCT engine, high-performance computer, pre-installed software, and a software development kit (SDK). For the Callisto OCT Base Unit, the engine is comprised of a superluminescent diode light source, scanning electronics, and a linear CCD array-based spectrometer for detection. The engine and detection components are integrated into a 420 mm x 320 mm x 149 mm (16.5" x 12.6" x 5.86") unit. For a fully operational system, one scanning option and a scan lens kit must be purchased along with a base unit (sold separately below).

Thorlabs' CAL110 Base Unit is optimized for high sensitivity (107 dB) at an A-Scan line rate of 1.2 kHz. Thus, the Callisto is ideal for imaging static, *in vitro* samples that require good contrast to distinguish features. The CAL110 offers up to 1.7 mm imaging depth with 7 µm of axial resolution.

Base Unit Item #	**CAL110**
Center Wavelength	930 nm
Imaging Depth (Air/Water)	1.7 mm / 1.3 mm
Axial Resolution (Air/Water)	7.0 µm / 5.3 µm
A-Scan Line Rate	1.2 kHz
Sensitivity[a]	107 dB (at 1.2 kHz)
Maximum Pixels per A-Scan	512
Compatible Scanners	OCTP-900(/M), OCTG-900, and OCTH-900

a. Typical Values Measured Using a Scanner with a Common Reference/Sample Path and 50% Path Split

Computer Specifications[a]

imaging depth with 7 µm of axial resolution.

Also Required:
- **Scanning System**
- **Scan Lens Kit**

To be functional, an OCT system build must include a base unit, a scanning system, and a scan lens kit.

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Number - Universal		Price	Available
		📄	**CAL110**	Callisto OCT Base Unit, 930 nm, 7.0 µm Resolution, 1.2 kHz	$20,157.10	Lead Time

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Scanning Systems (Required OCT System Component) ▲

▶ Scan an OCT Light Source Beam Across a Sample to Acquire 2D or 3D Images
▶ Three Available Options
- Standard Scanner for High Stability and Ease-of-Use
- User-Customizable Scanners with Open Construction for Customization of Scan Path
- Portable Handheld Scanner for Applications Requiring High Mobility

Thorlabs' OCT Scanning Systems are designed to scan the OCT light source beam across a sample for 2D cross-sectional and 3D volumetric imaging. OCT applications can vary widely, from live animal imaging to industrial materials analysis, with each requiring a different set of scanning parameters. We currently offer three types of beam scanning systems for use with our Callisto Base Unit: standard, user-customizable, and handheld.

Each scanner contains an OCT interferometer with a sample arm and a reference arm. The reference arm of the OCT interferometer is placed near the sample and housed within the scanning system itself to guarantee the phase stability of the sample arm relative to the reference arm. To account for different sample distances and reflectivities (e.g., while imaging through water), the reference arm path length, as well as the reference arm intensity, is adjustable. To minimize image distortion caused by dispersion, our OCT systems are designed to optically match the reference and sample arm lengths to the greatest extent possible. Dispersion effects from the sample (e.g., imaging through water or glass) can be compensated for using the included ThorImage OCT software. For customers interested in dual-path setups, any of these scanners can be configured without a beamsplitter; please contact oct@thorlabs.com for more information.

All scanners are equipped with an integrated camera that can obtain real-time *en face* video of the sample during OCT measurements when used with our ThorImage OCT software (see the *Software* tab for details). Illumination of the sample is provided by a ring of user-adjustable white light LEDs around the exit aperture of each scanner.

Standard Scanner
The OCTG-900 Standard Scanner is ideal for imaging applications that require a stable, easy-to-operate setup. The entire design of the standard scanner is contained within a rugged, light-tight housing that minimizes the risk of misalignment. The standard scanner is equipped with a reference path length distance indicator for ease-of-use during reference adjustments. A knob located at the top of the standard scanner allows for fine adjustments to the reference path length.

User-Customizable Scanner
The OCTP-900(/M) User-Customizable Scanner is designed with an open construction to enable easy customization of the optical beam path using Thorlabs' standard optomechanical components. This scanner features SM1 (1.035"-40) ports and 4-40 tapped holes at several locations that allow mounting of SM1-threaded or 30 mm cage-compatible components, respectively. The scan lens port is directly compatible with either M25 x 0.75 or SM1-threaded components, and can be converted to other thread standards, such as RMS (0.800"-36) via our selection of thread adapters. Additional scanning and non-scanning optical input/output ports are available for integration of a laser for fluorescence excitation or additional sample illumination.

Compact Handheld Scanner
The compact and lightweight OCTH-900 Handheld Scanner is specifically designed for applications requiring high mobility. Easy access buttons located directly on the scanner enable fingertip control of our ThorImage OCT Software. Users can program each button from a selection of imaging and acquisition software controls and the software uses visual and audio feedback for button presses. The OCTH-900 features a removable cover under the handle that provides access to the reference length and intensity settings. Compatible scan lens kits and sample z-spacers are sold below; z-spacers help maintain the correct working distance when using the handheld scanner. Please note that due to the limitations of the internal MEMS scanner, the frame rate (i.e., B-Scan rate) is limited to 25 frames per second when using the handheld scanner.

OCTG-900 Click to Enlarge
Standard OCT Scanner

OCTP-900 Click to Enlarge
User-Customizable OCT Scanner

OCTH-900 Click to Enlarge
Handheld OCT Scanner

Scanner Type	Item #	Compatible Base Unit
Standard Scanner[a]	OCTG-900	
User-Customizable Scanner	OCTP-900(/M)	CAL110
Handheld Scanner[b]	OCTH-900	

a. Standard Scanner Requires Purchase of Reference Length Adapter
b. Sample Z-Spacers Recommended When Using OCTH-900

Also Required:
- **Base Unit**
- **Scan Lens Kit**

To be functional, an OCT system build must include a base unit, a scanning system, and a scan lens kit.

Click to Enlarge
OCTH-900 Handheld Scanner with OCTH-AIR30 Sample Z-Spacer

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Number - Imperial		Price	Available
		📄	**OCTP-900**	Customer Inspired! User-Customizable Scanner for 900 nm & 930 nm SD-OCT Systems, Imperial	$12,730.80	Lead Time

+1	Qty	Docs	Part Number - Universal		Price	Available
		📄	**OCTG-900**	Standard Scanner for 900 nm & 930 nm SD-OCT Systems	$12,200.35	Lead Time
		📄	**OCTH-900**	Handheld Scanner for 900 nm & 930 nm SD-OCT Systems	$10,502.91	Lead Time

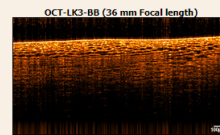| +1	Qty	Docs	Part Number - Metric		Price	Available
		📄	**OCTP-900/M**	Customer Inspired! User-Customizable Scanner for 900 nm & 930 nm SD-OCT Systems, Metric	$12,730.80	Lead Time

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Scan Lens Kit (Required OCT System Component) ▲

▶ Telecentric Scan Lenses Provide a Flat Imaging Plane
▶ Lens AR Coated for 800 - 1100 nm
▶ Scan Lens Kits for Standard / User-Customizable Scanners Include
- Telecentric Scan Lens
- Illumination Tube
- IR Card
- Calibration Target
▶ Compact Scan Lens Kits Designed for the OCTH-900 Handheld Scanner with Integrated Scan Lens and Illumination Ring

Also Required:
- **Base Unit**
- **Scanning System**

To be functional, an OCT system build must include a base unit, a scanning system, and a scan lens kit.

Thorlabs' Scan Lens Kits enable easy exchange of scan lenses in an OCT system, providing the flexibility to tailor imaging resolution or working distance for each application. Based on our line of OCT telecentric scan lenses, these lens kits minimize image distortion without extensive post-image processing and maximize coupling of the light scattered or emitted from the sample surface into the detection system. As seen in the table below, we offer scan lens kits compatible with the standard (Item # OCTG-900) and user-customizable (Item # OCTP-900) scanners, as well as two lens kits compatible with the handheld scanner (Item # OCTH-900).

Each kit includes a telecentric scan lens, illumination tube, IR card, and calibration target. The included illumination tube serves as a light guide that channels light from the LED illumination ring down to the sample area. The IR card and calibration target are provided for calibration of the scanning mirror and lens kit, ensuring the best image quality when swapping between scan lenses.

The cross-section image below of a banana was taken with the OCT-LK3-BB scan lens kit using a Callisto Series OCT system. Choose a scan lens kit that provides the right resolution and focal length for your application.

OCT-LK3-BB (36 mm Focal length)

Click to Enlarge
Magnification: 5X
Scan Region: 3 mm x 1.7 mm
Lateral Resolution: 8 µm

Item #	OCT-LK2-BB	OCT-LK3-BB	OCT-LK4-BB	OCTH-LK20-BB	OCTH-LK30-BB
Click Image to Enlarge					
Design Wavelength	900 nm / 930 nm			900 nm / 930 nm	
Compatible Scanner	OCTG-900 (Standard) or OCTP-900 (User-Customizable)			OCTH-900 Handheld Scanner	
Lateral Resolution[a]	4 µm	8 µm	12 µm	9 µm	14 µm
Focal Length	18 mm	36 mm	54 mm	20 mm	30 mm
Working Distance	3.4 mm (with Tube)[b] 7.5 mm (without Tube)	24.9 mm (with Tube)[b] 25.1 mm (without Tube)	41.6 mm (with Tube)[b] 42.3 mm (without Tube)	12 mm	22 mm
Field of View	6 mm x 6 mm	10 mm x 10 mm	16 mm x 16 mm	Ø8 mm	Ø10 mm
Lens Threading	M25 x 0.75	M25 x 0.75	M25 x 0.75	M20 x 0.5 (For Z-Spacer) M14 x 0.5 (For OCTH-900)	

a. 1/e² Beam Diameter at Focus
b. The illumination tube is user-removable.

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Number - Universal		Price	Available
		📄	**OCT-LK2-BB**	OCT Scan Lens Kit, 18 mm FL, 900 nm / 930 nm	$2,056.02	Lead Time
		📄	**OCT-LK3-BB**	OCT Scan Lens Kit, 36 mm FL, 900 nm / 930 nm	$1,406.75	Lead Time
		📄	**OCT-LK4-BB**	OCT Scan Lens Kit, 54 mm FL, 900 nm / 930 nm	$1,406.75	Lead Time
		📄	**OCTH-LK20-BB**	OCT Scan Lens Kit for OCTH-900, 20 mm FL, 900 nm / 930 nm	$1,071.29	Lead Time
		📄	**OCTH-LK30-BB**	OCT Scan Lens Kit for OCTH-900, 30 mm FL, 900 nm / 930 nm	$1,071.29	Lead Time

Add To Cart

Reference Length Adapters (Required for Standard Scanners) ▲

▶ Arm Adapters for Matching Reference Path Length to the Sample Path Length
▶ Use Multiple Reference Adapters for Rapid Switching Between Scan Lens Kits
▶ Must be Purchased with Standard Scanner (Item # OCTG-900)

Item #[a]	Compatible Scan Lens Kit
OCT-RA2	OCT-LK2-BB
OCT-RA3	OCT-LK3-BB

These adapters adjust the reference arm path length within the OCTG-900 Standard Scanner to match the sample path length of the scan lens used. Choose from three options that are compatible with the scan lens kits sold above. Reference length adapters also enable the user to quickly swap between different scan lens kits without going through extensive adjustments during each switch. The table to the right provides a compatibility list to help select the appropriate reference adapters.

OCT-RA4	OCT-LK4-BB

a. Multiple reference adapters can be purchased for rapid switching between scan lens kits.

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Number - Universal		Price	Available
🛒		📄	**OCT-RA2**	Length Adapter for SD-OCT Standard Scanner & OCT-LK2(-BB) Scan Lens Kit	$551.88	Lead Time
🛒		📄	**OCT-RA3**	Length Adapter for SD-OCT Standard Scanner & OCT-LK3(-BB) Scan Lens Kit	$551.88	Lead Time
🛒		📄	**OCT-RA4**	Length Adapter for SD-OCT Standard Scanner & OCT-LK4(-BB) Scan Lens Kit	$551.88	Lead Time

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Sample Z-Spacers (Optional Accessories) ▲

▶ Sample Z-Spacers Position Scanner at Optimal Working Distance From Sample
▶ Ring (Air) and Immersion (Liquid) Z-Spacers Available
▶ Two Z-Spacers Recommended for Use with OCTH-900 Handheld Scanner

Thorlabs offers both ring and immersion style sample Z-spacers that enable optimal positioning of a scanning system relative to the sample. The OCT-AIR3, OCT-IMM3, and OCT-IMM4 Z-Spacers feature knurled rings that allow the spacing distance to be adjusted and locked in place for increased stability. Several Z-spacer options are available; please see the table below for compatibility with our scanners and lens kits.

Additionally, we offer two ring-style Z-spacers that are designed specifically for the OCTH-900 Handheld Scanner; these spacers greatly assist in maintaining the correct sample working distance when using the handheld scanner. The spacing distance on the OCTH-AIR20 and OCTH-AIR30 Z-Spacers can be adjusted by rotating the spacer.

Our ring-style Z-spacers provide a distance guide between the scanner and sample. The sample is in contact with the ring-shaped tip of the spacer and should only be used when air is the scanning medium. In contrast, our immersion spacers are equipped with a glass plate that contacts the sample surface within the scanning area. Unlike the ring-style spacers, immersion spacers enable access to samples contained within a liquid environment while also providing sample stabilization. Better index matching and a tilted glass plate also help reduce strong back reflections from the sample surface and enhances the contrast of the image.

Click to Enlarge
Z-Spacers for the OCTG-900 and OCTP-900(/M) Scanners

Click to Enlarge
Z-Spacers for the OCTH-900 Handheld Scanner

Item #[a]	Type	Adjustable	Adjustment Range	Lockable	Compatible Scanner	Compatible Scan Lens Kit
OCT-AIR3	Ring (Air)	Yes	+3.5 mm / -1.0 mm	Yes	OCTG-900 OCTP-900(/M)	OCT-LK3-BB
OCT-IMM3	Immersion	Yes	+3.4 mm / -1.1 mm	Yes		
OCT-IMM4	Immersion	Yes	+1.0 mm / -17.0 mm	Yes		OCT-LK4-BB
OCTH-AIR20	Ring (Air)	Yes	±4 mm	No	OCTH-900[a]	OCTH-LK20-BB
OCTH-AIR30	Ring (Air)	Yes	±2 mm	No		OCTH-LK30-BB

a. We recommend purchasing a sample Z-spacer if using the OCTH-900 handheld scanner.

Based on your currency / country selection, your order will ship from Newton, New Jersey

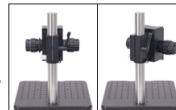| +1	Qty	Docs	Part Number - Universal		Price	Available
🛒		📄	**OCT-AIR3**	Ring-Style Sample Z-Spacer for OCT-LK3(-BB) Scan Lens Kit	$772.63	Lead Time
🛒		📄	**OCT-IMM3**	Immersion-Style Sample Z-Spacer for OCT-LK3(-BB) Scan Lens Kit	$938.20	Lead Time
🛒		📄	**OCT-IMM4**	Immersion-Style Sample Z-Spacer for OCT-LK4(-BB) Scan Lens Kit	$1,048.57	Lead Time
🛒		📄	**OCTH-AIR20**	Ring-Style Sample Z-Spacer for OCTH-LK20(-BB) Scan Lens Kit	$199.11	Lead Time
🛒		📄	**OCTH-AIR30**	Ring-Style Sample Z-Spacer for OCTH-LK30(-BB) Scan Lens Kit	$199.11	Lead Time

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Scanner Stand (Optional Accessory) ▲

▶ Recommended Stand for Mounting Standard or User-Customizable Scanners
▶ Focus Block with Coarse/Fine Z-Axis Travel on Ø1.5" Stainless Steel Post
▶ 12" x 14" (300 mm x 350 mm) Aluminum Breadboard with 1/4"-20 (M6) Tapped Holes

For convenient mounting of our Standard or User-Customizable Scanners, we offer a scanner stand that is ideal for use in vibration-sensitive studies such as angiography. It consists of a post-mounted focus block with knobs that provide both coarse (40 mm/rev) and fine (225 µm/rev) z-axis travel. A rotation and height collar underneath the focus block allows it to rotate 45° in order to move the scanner head away from the sample to make adjustments.

The focus block attaches to a 12" x 14" (300 mm x 350 mm) aluminum breadboard via the included Ø1.5" post. The aluminum breadboard has side grips and rubber feet for easy lifting and transportation. There is an array of 1/4"-20 (M6) tapped holes for mounting optomechanics. Four extra 1/4"-20 (M6) tapped holes allow the mounting of the OCT-XYR1 Translation Stage (sold below) to the OCT-STAND and the OCT-XYR1/M Translation Stage to the OCT-STAND/M directly underneath the scan lens. A 1/4"-20 (M6) counterbore is also provided for securing the Ø1.5" post.

Click for Details
The focus block can be rotated 45° to move the scanner head away from the sample.

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Number - Imperial		Price	Available
🛒		📄	**OCT-STAND**	Stand for Standard and User-Customizable OCT Scanning Systems, 1/4"-20 Tapped Holes	$2,164.24	Today

+1	Qty	Docs	Part Number - Metric		Price	Available
🛒		📄	**OCT-STAND/M**	Stand for Standard and User-Customizable OCT Scanning Systems, M6 Tapped Holes	$2,164.24	Today

Add To Cart

Translation Stage (Optional Accessory) ▲

▶ Optional Translation Stage with 0.5" (13 mm) of XY Travel and 360° Rotation
▶ Includes Cover Plate for Sample Mounting
▶ Can Mount Optomechanics by Removing Cover Plate

Precise translation and rotation are often required for optimal positioning of a sample before and during OCT imaging. The OCT-XYR1(/M) is an XY linear translation stage with a rotating platform and solid plate for sample mounting and easy cleaning. The OCT-XYR1 or OCT-XYR1/M stage can be secured to the OCT-STAND or OCT-STAND/M, respectively, using the 1/4" (M6) counterbores on the corners. The top plate is removable for access to 4-40, 8-32 (M4), and 1/4"-20 (M6) tapped holes and an SM1-threaded (1.035"-40) central hole for mounting optomechanical components. The XYR1A Solid Sample Plate can be purchased separately as a direct replacement for the top plate.

The X and Y micrometers offer 1/2" (13 mm) of travel with graduations every 0.001" (10 µm). The stage's rotation and translation can be freely changed without compromising the stability of attached components. An engraved angular scale along the outer edge of the stage's rotating platform allows the user to set the angular orientation of the stage, which can then be fixed using the 5/64" (2 mm) hex locking setscrew. Locking the rotation of the stage does not prevent XY translation using the actuators.

Specifications	
Horizontal Load Capacity (Max)	10 lbs (4.5 kg)
Mounting Platform Dimensions	Ø4.18" (Ø106 mm)
Stage Height	1.65" (41.8 mm)
Linear Translation Range	1/2" (13 mm)
Travel per Revolution	0.025" (0.5 mm)
Graduation	0.001" (10 µm) per Division

Click to Enlarge
The cover plate is removable for access to tapped holes and the SM1-threaded central hole.

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Number - Imperial		Price	Available
🛒		📄	**OCT-XYR1**	XY Stage with Solid Top Plate, 1/2" Travel, 360° Rotation, Imperial Taps	$772.63	Today

+1	Qty	Docs	Part Number - Metric		Price	Available
🛒		📄	**OCT-XYR1/M**	XY Stage with Solid Top Plate, 13 mm Travel, 360° Rotation, Metric Taps	$772.63	5-8 Days

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Additional OCT Imaging Systems & Components

OCT Systems Comparison

OCT Systems for OEM Applications

Ganymede Series OCT Systems and Components

▶Callisto Series OCT Systems and Components

Telesto Series OCT Systems and Components

Vega Series OCT Systems and Components

Telesto Series PS-OCT Systems and Components

OCT Components

Publications

Application Articles