

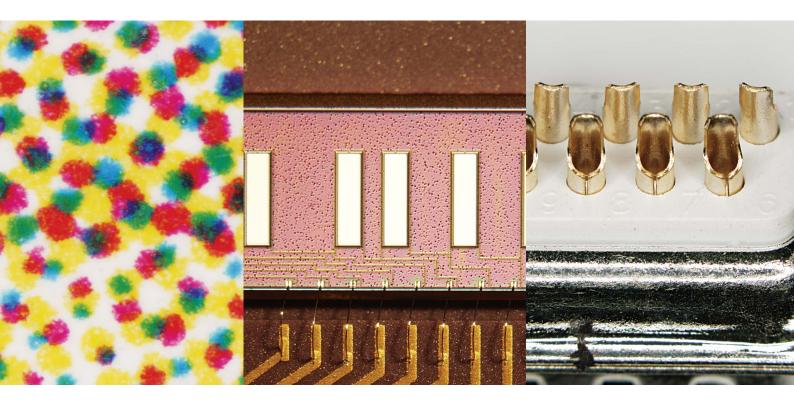
SZX16/SZX10

For Industrial applications

Outstanding Optical Performance in an Ergonomic Design



A New Dimension of Industrial Microscopy



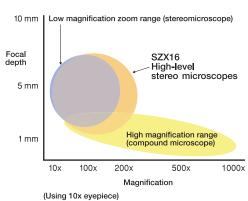
With advanced optics, superior quality, and an innovative ergonomic design, the SZX series is built to handle your industrial imaging needs. From observation to analysis to digital imaging, the SZX series provides increased efficiency and productivity required for industrial R&D and quality analysis.

Refined Optical Performance	
SZX16	P3 - P6
SZX10	
■ Ergonomic Design for Working Comfort	P9 - P10
■ Varied Illumination Technology	P11 - P14
Digital Imaging	P15-P17
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By combining ergonomic instrumentation with the power of Galilean optics, the Olympus SZX series enables users to comfortably perform advanced stereomicroscopy tasks for extended periods of time. New ergonomic accessories bring the microscope closer to the user and provide flexibility for individuals of different heights. Providing a comfortable position for each user during microscope work reduces stress during observation and increases efficiency.

New levels of comfort are achieved without any reduction in image quality. The wide zoom range and increased focal depth optimize image quality and user productivity.

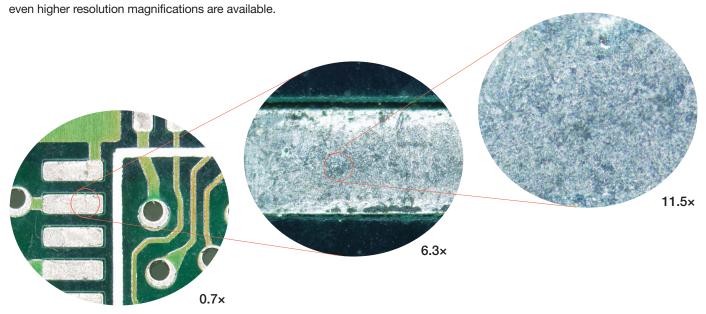


Refined Optical Performance Supports a Wide Zoom Range and Exceptional Image Clarity



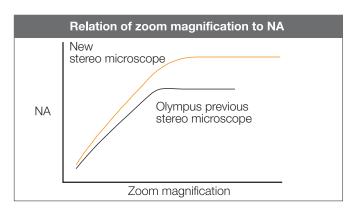
Wide Zoom Ratio (16.4:1) for Clear Viewing of Samples from Overview to Microstructural Observation

The SZX16 is crafted to the highest optical standards. With a wide zoom range of 0.7X-11.5X, clear observation ranging from overview to microstructure is possible. When revolving objectives are used,



Improved Image Clarity at the Most Frequently Used Magnification

Resolution at the most frequently used magnification setting (middle range) is 30% better than previous Olympus stereo microscopes. Brightness is improved for high image clarity needed for research in advanced materials and electronics.



Expanded of Zoom Ratio with Revolving Nosepiece

The revolving nosepiece (SZX2-2RE16) incorporates parfocal (PF) objective lenses for observation at different magnifications. Using PF objective lenses enables quick and minimal focusing when switching between them.



Variable Focus Depth from the Built-in AS Zoom Body for Observation and Image Capture

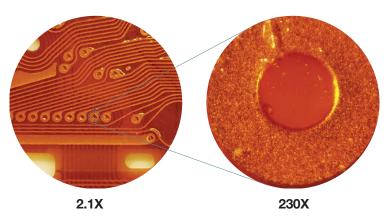
The ability to control the built-in aperture stop (AS) enables the user to optimize sample viewing for contrast and resolution and is especially useful for samples that have uneven structures.

See More with New SDF (Super Depth of Focus) Series Objective Lenses

The six objective lenses in the new SDF lineup use special dispersion glass to provide outstanding stereoscopic viewing.

Leading-edge SDF Objectives

By effectively eliminating astigmatism, the SDF series achieves high-quality stereoscopic viewing with less defocusing. The six-piece lineup of 0.3X, 0.5X, 0.8X, 1X, 1.6X, and 2X objective lenses provide a wide range of observation between 2.1X–230X (with 10X eyepiece)—all conveniently available in one stereo microscope.





Top row, from right: SDFPLAPO2XPFC, SDFPLAPO1.6XPF, SDFPLAPO1XPF2 Bottom row, from right: SDFPLAPO0.8X, SDFPLAPO0.5XPF, SDFPLFL0.3X

Model	W.D. (mm)	Total magnification*		
SDFPLFL0.3X	141	2.1X-34.5X		
SDFPLAPO0.5XPF	70.5	3.5X-57.5X		
SDFPLAPO0.8X	81	5.6X-92X		
SDFPLAPO1XPF	60	7X-115		
SDFPLAPO1.6XPF	30	11.2X-184X		
SDFPLAPO2XPFC	20	14X-230X		

 $^{^{\}ast}$ Using 10× eyepieces; 15× through 30× eyepieces are optional.

High Resolution at 900 Lines/mm with SDFPLAPO2XPFC

SDFPLAPO2XPFC objective lens attains a high resolution at 900 lines/mm, resolved down to 1.1 µm lines.



Previous Olympus stereo microscope

SZX16 (with SDFPLAPO2XPFC)



Astigmatism-free Design for Clear Stereoscopic View

An astigmatism-free design integrated throughout the system effectively prevents the astigmatism that deforms images appearing in tubes, zoom body, and objective lenses. Increased focus depth enables clear observation at high magnifications.

Cost Efficiency Combined with Superior Performance and Outstanding Ease of Use

The SZX10 is a cost-effective stereo microscope that boasts excellent versatility and is easy to use. Two apochromatic objective lenses are standard. The 1X objective lens has an 81 mm working distance (W.D.) for operational comfort, and a 0.1 numerical aperture (NA) for excellent optical performance. The 1.25X objective lens is useful for many purposes. The chromatic-aberration correction of these objective lenses provides clear and distinct images.

High Zoom Ratio (10:1)

Olympus' proprietary optical design technologies are integrated throughout the microscope to achieve a high 10:1 zoom ratio of 0.63X-6.3X. Progress through a range of magnifications without switching objective lenses.

Built-in AS Zoom Body

The fully adjustable aperture stop (AS) can be used to increase focus depth; especially useful when observing tall samples.



Aperture stop of zoom body

1.25X Objective Lens for High Magnification and Resolution; 1X Objective Lens for Wider Field of View and Longer W.D.

These high-quality apochromatic lenses designed for the SZX10 are useful for a variety of observation tasks and applications.



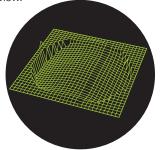
Objective lenses: 1x for task efficiency

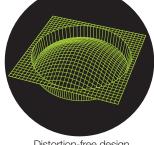


1.25x for high magnification and optimal NA

Distortion-Free Design Minimizes Image Curvature

A distortion-free design lowers curvature/distortion, enabling true observation of flat samples within a field of view.





Conventional design

Distortion-free design

System-Wide Astigmatism-Free Design for Clear Observation

Incorporating an astigmatism-free design throughout the system effectively prevents the astigmatisms that deform tube, zoom, and objective lens images.

Selection of Powerful SZX10 Objective Lenses

Olympus objective lenses are designed to be equally responsive to different sample needs. Eight SZX10 objective lenses offer magnification from 0.5X to 2X. Users have a variety of observation choices all in a single microscope, ranging from 3.2X to 126X with 10x eyepieces. In addition, two lenses come standard with the revolving nosepiece (SZX2-2RE10).



Top row, from right: DFPLAPO1.25X, DFPL1.5X-4, DFPL2X-4 Center row, from right: SZX-ACH1X, SZX-ACH1.25X-2 Bottom row, from right: DFPL0.5X-4, DFPL0.75X-4, DFPLAPO1X-4



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^{*} Using 10x eyepieces; 15x through 30x eyepieces are optional.

Ergonomic Instrumentation* Increases User Comfort During Extended Work Sessions



Tilting Trinocular Observation Tubes with Optimized Convergence Angle Minimize Eye and Neck Strain

Trinocular tubes provide comfortable and efficient observation.

Whether seated or standing, observers can adjust the tilting trinocular tube to efficiently perform long-duration observation.

Natural Posture, Reduced Stress, and Increased Productivity

The ergonomic long tilting trinocular provides an optimized work position for individual users by bringing the microscope closer to the user, while the extendable eyepoint adjuster provides flexibility for users of different heights. The SZX series' ergonomic instruments reduce stress during observation by providing the most comfortable position for each user, increasing efficiency of work.





Tilting range of SZX2-TTR

SZX2-EEPA

Convergence Angle in Tube Relieves Eyestrain

Olympus' research established a correlation between stereomicroscopic optical systems and eyestrain. A convergence angle using right and left optical paths without compensation can induce discomfort. The convergence angle in the SZX series, however, completely compensates for each optical path. This solution effectively eliminates eyestrain during prolonged observation.



Ergonomic Zoom and Focus Knobs for Fatigue-Free Use

Position of zoom knob, size and position of coarse/fine focusing knob, and the fine focus stroke have all been redesigned for easier operation. This enhancement of the fine focus stroke results in easy and precise focusing.



Ergonomic coarse/fine focusing knob

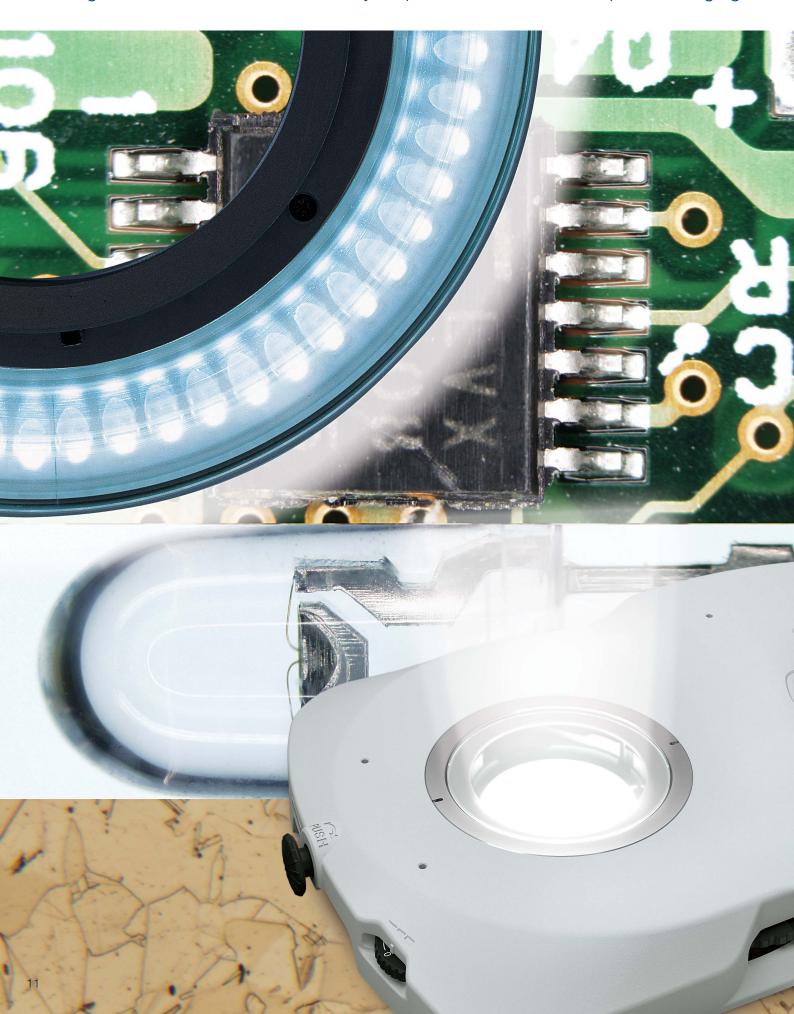
Slim Design Illumination Base for Easy Access to Samples

Illumination bases are designed to not only be easy to use, but also fatigue-free. The slim LED transmitted light illumination base, at approximately 41.5 mm in height, features easily adjustable fingertip illumination control and provides easy access to samples.



Slim design illumination base (SZX2-ILLT)

Long-Life LED Illumination Faithfully Reproduces Colors for Optimal Imaging



Advanced Brightfield Transmitted Light Illumination Base with Filters (SZX2-ILLTQ/SZX2-ILLTS)

The LED light illumination base provides a long life of about 60,000 hours. You can choose between multiple cartridges for various applications and incorporate up to 4 filters in the base and change between them with a simple turn. The base's thin design helps reduce stress during observation.







Product	Observation and Contrast Methods			
① SZX2-CBFL	Brightfield, low-contrast			
② SZX2-CBF	Brightfield, standard			
③ SZX2-CBFH Brightfield, high-contrast				
4 SZX2-COBL	Oblique, low-contrast			
⑤ SZX2-COB	Oblique, standard			
⑥ SZX2-COBH	Oblique, high-contrast			
⑦ SZX2-CSH	Shade plate			
® SZX2-CDF	Darkfield			
9 SZX2-CPO	Polarization plate			

SZX16-RFA Fluorescence Light Illumination System for Advanced Fluorescence Imaging

High NA Provides Bright Fluorescent Observation

A near-vertical reflected light illumination system produces illumination that is almost coaxial to the observation path and enables substantially improved excitation light efficiency. These features provide an average of two to three times better fluorescent observation than conventional stereo microscopes at all magnifications. In addition to using reflected light, transmitted light can be also be used for sample confirmation.

Five-position Turret with Nine-filter Selection

The fluorescence illumination system for the SZX16 has five-position turrets with a five-filter selection for different samples. nine different fluorescent filter units capture the details of bright and high-contrast fluorescent images.



Choose the Illumination Source That Suits Your Sample

Olympus' light solutions work for many different tasks with sources such as transmitted, reflected, ring light, and fluorescence illumination. Offering consistently bright and stable illumination, the SZX system meets reflected light requirements with a coaxial illumination system, a dual flexible light guide, and a ring light guide, among others. These choices enable users to do a broad array of stereo microscope observations and documentation.

Various Reflected Light Illumination Systems

Dual Combination Light Guide (LG-DFI)

The top-mounted dual light guide is easy to position and keeps workspaces uncluttered. This system maintains the selected illumination position when focusing.



Coaxial Illumination System (SZX2-ILLC16/SZX2-ILLC10)

This illumination system is ideal for detecting imperfections on highly reflective samples such as ICs, photonic products, and medical devices.



Dual Interlock Light Guide (LG-DI)

With this unit, users can view select areas with pinpoint accuracy and optimal viewing conditions.



Ring Light Guide (LG-R66)

This ring light guide provides bright, clear, and even illumination from several angles, thus eliminating obstructive sample shadowing.



Objective Lenses with an Access Angle of 51 Degrees (Objective Lenses for SZX16: SDFPLAPO1.6XPF, SDFPLAPO2XPFC)

Light-guide illumination with short working distance (W.D.) objective lenses make effective illumination difficult. Objective lenses set at 1.6X and 2X with a 51-degree access angle enable optimum illumination.



Industrial research requires the precision that LED illumination provides for a variety of inspection and sample needs. Reproducing natural light, white LED delivers constant color temperature, and the LED ring illuminator offers high contrast observation and variable lighting for ease of use. Olympus' long-life LEDs reduce maintenance and improve imaging results.

LED Four-Part Ring Illumination Unit (SZX2-ILR66)

High-intensity LED illumination is an extremely bright light source that reproduces natural light for optimal observation. This LED illumination system provides even illumination plus a variable selection of lighting for ease of use. By choosing from an illuminator divided into four lighting zones, users can choose full, 3/4, 1/2, and 1/4 lighting for a total of thirteen patterns; the user does not need to move the sample for optimal viewing and documentation. Thanks to fan-less ventilation of the power supply, the LED illumination system is compatible with clean rooms. In addition to ESD compatibility that helps keep samples free from static electricity damage, the manual control unit is easily operated by hand, providing user comfort.



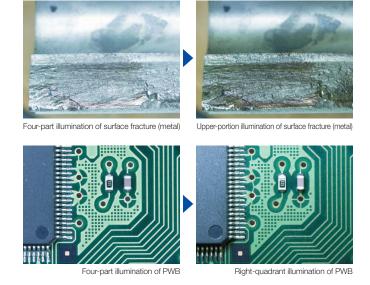


The exclusive control for the LED ring illumination system offers the freedom to direct 13-pattern LED lighting for optimum observation. 3/4, 1/2, and 1/4 lighting patterns move in circular rotation and in mirror symmetry via pad control. The ergonomic design of the unit is perfectly suited to fingertip operation.









Enhanced Power with Sophisticated Digital Cameras and Image Analysis Software



Digital technology is a total synergy of Olympus optics, microscope digital camera, and image analysis software. Vertical observation provides excellent images.

DP74 High-Resolution Digital Camera

The DP74 color camera supports advanced functions to capture high-quality images of samples. The camera combines a wide field of view with a diagonal length of 21 mm with full HD image resolution at 60 frames per second (fps). The Global shutter of the DP74's CMOS expose the whole pixel at same time. Therefore, even in moving stage, there is no distortion like rolling shutter CMOS which expose and reads line by line. The result is that users can acquire images of sample quickly and easily. The DP74 camera is optimized for fluorescence imaging with a powerful noise reduction function and a high level of gain sensitivity. With the position navigator, you'll always know your location in the sample, even without a motorized stage.



This high-resolution 5-megapixel color CCD camera provides optimum true color performance for all industrial applications and imaging techniques. The DP27 incorporates high speed progressive scanning with USB 3.0 connectivity.

DP22 High-speed, Compact Digital Camera

This 2.8-megapixel color CCD camera can be used as a complete stand-alone model (no PC required). The control box incorporates the 12 most frequently used measurement functions for efficient inspection of industrial parts, providing smooth and intuitive operation via a touch-screen monitor or a mouse.



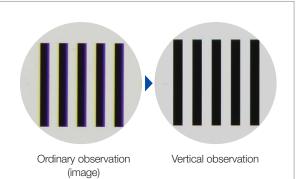


Vertical observation

The revolving nosepieces for SZX16 (SZX2-2RE16) and SZX10 (SZX2-2RE10) may be used for standard stereomicroscopic observation as well as vertical observation, which accommodates the overlap of lens center and optical axis. Lens-centered observation results in aberration-free images. Defocusing is effectively eliminated for 3D rendering by image processing software.



The nosepiece enables vertical observation

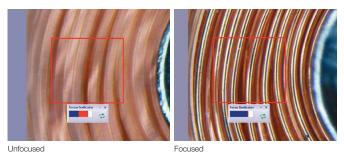


OLYMPUS Stream Micro-Imaging Software: A New Standard for Workflow Flexibility

The OLYMPUS Stream image analysis software enables you to seamlessly acquire images, process, and measure them via a stereo microscope with a digital camera. The system provides you with the flexibility to meet your needs without changing your operation. You can execute not just simple measurements, but panoramic view, extended focus, and particle analysis.

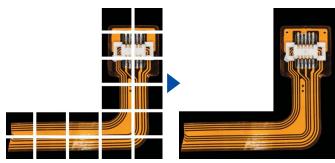
Optimized Focus and Exposure

The OLYMPUS Stream focus indicator enables users to select a region of interest and bring it into optimum focus using the focus control of the microscope. This function is essential when a large optical depth of field makes it difficult to find the best focus position by eye. OLYMPUS Stream's live histogram display and overexposure indicator make it easy to find the optimum exposure time to avoid overexposed images that cause a loss of detail. Your digital camera's exposure time can then be adjusted manually or automatically when using the family of Olympus DP series cameras.



Manual Multiple Image Alignment (MIA)

OLYMPUS Stream software provides Multiple Image Alignment (MIA) for the creation of panoramic images of samples that extend beyond the field of view. The OLYMPUS Stream software quickly stitches them together, providing you with an output ready for visualization or complex measurement. Simultaneous use of instant EFI is also possible.



Multiple image acquisition of a flexible board

Instant Extended Focus Image (EFI)

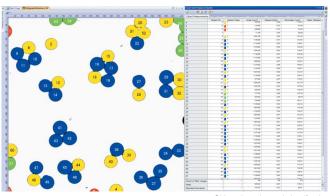
OLYMPUS Stream software provides images for samples that extend beyond the standard depth of focus. The instant Extended Focus Image enables you to use the fine focus adjustment to combine many images at different z-levels to provide you with a single combined image that is entirely in focus.



Perfectly focuses image of mechanical parts of a watch

Count and Measure

Object detection and size distribution measurement are among the most important applications in digital imaging. OLYMPUS Stream incorporates a detection engine that utilizes threshold methods to reliably separate objects (e.g. particles, scratches) from the background. OLYMPUS Stream offers more than 50 different parameters for shape, size, position, and pixel properties (intensity, gray value) for object classification.



Object detection and classification

Please refer to OLYMPUS Stream catalog for further details

A Range of Accessories to Extend the Width of Observation. Customizable for Various Purposes (SZX16 / SZX10)



SZX16 Universal stand



SZX16 Motorized zoom and focus unit

Universal Stand with FSD* Compatibility (SZX-STU2)

This stand is designed for observation and digital imaging of samples too large for standard-size stands. The design, based on dual horizontal poles and linear ball bearings, ensures smooth horizontal movement and rotation. The mechanism can be tilted forward, backward, right, and left, enabling a quick and precise approach to the chosen observation area. *ESD = Electric Static Discharge

Large Stand (SZX2-STL)

This large stand exhibits excellent stability, making it optimized for image capture as well as observation of large samples.

Motorized Focus and Zoom Enhance Efficiency (Motorized Focus Unit SZX2-FOA/Motorized Zoom Unit SZX2-ZB16A)

The motorized focus unit has a maximum load capacity of 23 kg and facilitates operation when heavy items, such as cameras, are attached. With the addition of motorized zoom, both focusing and zooming can be performed with one hand via an easily accessed switch—the ideal solution for improving examination efficiency. Remote operation is also possible, enabling observation on an external monitor.



U-SRG_SZX-STAD1

U-SIC4R2, U-MSSPG, U-MSSP4, SZX-STAD-2



BH2-SH, SZH-STAD1

BX Stage Adapter type 1 (SZX-STAD1)

Enables use of the BXiS rotating stage (U-SRG) with various SZX stands and transmitted light illuminators. This is especially valuable in polarized observations and image capture.

BX Stage Adapter type 2 (SZX-STAD2)

Enables use of a BXiS mechanical stage with various SZX stands and transmitted light illuminators. Particularly suitable for accurate X-Y movement of samples.

BH Stage Adapter type 1 (SZH-STAD1)

Enables use of a BH2 mechanical stage (BH2-SH) with various SZX stands and transmitted light illuminators. Particularly suitable for accurate X-Y movement of samples.



Specifications

SZX16/SZX10 SPECIFICATIONS

	Specifications								
item	Item SZX2-ZB16/SZX2-ZB16A SZX2-ZB10								
	Zoom ratio: 16.4 (0.7X Magnification indication	-11.5X) n: 0.7/0.8/1/1.25/1.6/2/2.	5/3.2/4/5/6.3/8/10/11.5	Zoom ratio: 10 (0.63X–6.3X) Magnification indication: 0.63/0.8/1/1.25/1.6/2/2.5/3.2/4/5/6.3					
Zoom		cation system with parallel orizontal handle click-stop		ns incorporated					
nicroscope body	Motorized zoom body	(SZX2-ZB16A), Manual zo	oom body (SZX2-ZB16, S	ZX2-ZB10)					
			AS: E	Built-in					
			Objective mount	ting: screw mount					
	F	or SZX2-ZB16/SZX2-ZB	16A	For SZX2-ZB10					
	Objectives	NA	W.D. (mm)	Objectives	NA	W.D. (mm)			
	SDFPLFL0.3X	0.045	141	DFPL0.5X-4	0.05	171			
	SDFPLAPO0.5XPF	0.075	70.5	DFPL0.75X-4	0.075	116			
bjective	SDFPLAPO0.8X	0.12	81	DFPLAPO1X-4	0.1	81			
Djective	SDFPLAPO1XPF	0.15	60	SZX-ACH1X	0.1	90			
	SDFPLAPO1.6XPF	0.24	30	DFPLAPO1.25X	0.125	60			
	SDFPLAPO2XPFC	0.3	20	SZX-ACH1.25X-2	0.125	68			
				DFPL1.5X-4	0.15	45.5			
				DFPL2X-4	0.2	33.5			
yepiece	WHN10X-H FN 22 WHSZ20X-H FN 12.5	WHSZ15X-H FN 16 WHSZ30X-H FN 7			WHSZ15X-H FN 16 WHSZ30X-H FN 7				
Observation tube	Convergence angle, Tilting angle: 5°-45°, Interpupillary distance adjustment: 52–76 mm, 2-step optical path (selectable) (TTR observation: straight port = 100:0, 50:50) (TTRPT observation: straight port = 100:0, 0:100) SZX2-TR30/SZX2-TR30PT: 30-degree trinocular tube Convergence angle, Tilting angle: 30°, Interpupillary distance adjustment: 52–76 mm, 2-step optical path (selectable) (TR30 observation: straight port = 100:0, 50:50) (TR30PT observation: straight port = 100:0, 0:100) SZX2-LTTR: Ergonomic Long Tilting Trinocular*4								
	Convergence angle, Tilting angle 5-45°, Interpupillary distance adjustment: 57-80 mm, 2-step optical path (selectable) (straight port = 100:0, 50:50)								
		_		SZX-Bl30: 30° binocular t adjustment: 51-76 mm	ube Tilting angle: 30° Inte	erpupillary distance			
	SZX-Bl45: 45° binocular tube Tilting angle: 45° Interpupillary dis adjustment: 52–76 mm								
	SZX2-FO: Focusing unit / focus: rack and pinion with roller guide (with torque adjustment ring for coarse focusing), optional counter balance, coarse handle stroke: 80 mm, coarse handle stroke per rotation: 21 mm, Load capacity: 0.0–10.0 kg (0–22 lb)								
	SZX2-FOF: Fine focusing unit / focus: rack and pinion with roller guide (with torque adjustment ring for coarse focusing), coarse and fine coaxial handle, built-in counter balance, coarse handle stroke: 80 mm, coarse handle stroke per rotation: 36.8 mm, fine handle stroke: 80 mm, fine handle stroke per rotation: 0.77 mm, load capacity: 2.7–15.0 kg (6–33 lb)								
ocusing assembly	SZX2-FOFH: Fine focusing unit for heavy loading / focus: rack and pinion with roller guide (with torque adjustment ring for coarse focusing), coarse and fine coaxial handle, built-in gas spring counter balance, coarse handle stroke: 80 mm, coarse handle stroke per rotation: 36.8 mm, fine handle stroke: 80 mm, fine handle stroke per rotation: 0.77 mm, load capacity: 8.0–25.0 kg (17.6–55 lb)								
	SZX2-FOA: Motorized focus unit / focus: rack and pinion with roller guide, focusing stroke: 78 mm, motorized focusing speed coarse: 2.7 mm/s, fine: 0.27 mm/s load capacity: 0.0–23.0 kg(0–50 lb)								
xtendable Eyepoint djuster	SZX2-EEPA: Height ac	ljustment range: 30–150 r	mm (with a scale attached)					
Yand.	SZX2-ST: Standard stand / Pillar height: 270 mm, base dimension (W x D x H): 284 mm x 335 mm x 31 mm (11.2 in. x 13.2 in. x 1.2 in.), Stage clips are mountable, with stage adapter fixing screw holes								
Stand	SZX2-STL: Large stand / Pillar height: 400 mm, base dimension (W x D x H): 400 mm x 350 mm x 28 mm (15.7 in. x 13.8 in. x 1.1 in.), Stage clips are mountable, with stage adapter fixing screw holes								

^{*4} SZX2-LTTR: intermediate magnification is 1.25X.

TRANSMITTED ILLUMINATION BASE SPECIFICATIONS

Item	Specifications						
item	SZX2-ILLTQ	SZX2-ILLTS					
Light source	White LED (Average service life: about 60,000 hours by rated	hite LED (Average service life: about 60,000 hours by rated use.)					
Light intensity adjustment	Continuously variable system	ntinuously variable system					
Effective illuminated area	Brightfield (Low contrast): \$\phi63\$ mm, Brightfield (Standard/High	n)/Darkfield/Oblique/Polarized: φ35 mm					
Option filter	φ45mm filter (for SZX2-CBF/SZX2-CBFH), 75 mm x 75 mm s	heet filter for photo					
Illumination mode	Selection by changing cartridges (Cartridges are option.), Brightfield illumination (Low/Standard/High contrast), Darkfield illumination, Oblique illumination (Low/Standard/High contrast), Polarized illumination						
Contrast selection	Low/Standard/High (Brightfield/Oblique)						
Turret position number for illumination base	4 1						
The height of stage (from desk surface)	41.5 mm						
Pillar height	268.5 mm						
Weight	Approx. 4.1 kg (9.2 lb)	Approx. 3.8 kg (8.6 lb)					
Power source	AC100-240 V, 50/60 Hz (AC adapter)						

TRANSMITTED ILLUMINATION BASE SPECIFICATIONS

Type	LED ring illuminator SZX2-ILR66 Ring light guide LG-R66		Dual light guide LG-DFI/DI	Coaxial illuminator SZX2-ILLC16/10		
Features	4-part LED ring illumination 4-part independent ON/OFF available	Bright, uniformly lit images without glaring reflections or obscuring shadows	Flexible illumination for any angle and position	Bright high-contrast coaxial illumination. Effective for observing structure, such as imperfections on metal surfaces, patterns on IC or LCD		
Illumination specifications	Rotary, mirror function, ESD capability, RoHS compatibility, Class 1	Installation diameter: 66 mm Flexible part: 1000 mm Attachment adapter*: SZX-LGR66 *No adapter required for SZX16-LGR66 *Unable to attach to SDFPLAPO2XPFC/ SDFPLAPO1.6XPF	LG-DFI: Flexible part 1000 mm Inter-lock part 500 mm LG-DI: Inter-lock part 500 mm	Magnification factor: 1.5X Light guide: LG-DF Flexible part 1000 mm 1/4 wavelength retardation plate included		
Light source specifications	10 -segment light intensity volume, fan-less ventilation, AC 100–240 V	Type: LG-LSLED (LED light source for light guide) Functions: Continuous Electronic Dimming (0~100%), Filter slider, Silent fan, Power Consumption: max. 37 VA Operating Voltage, Frequency: $90-264$ V, $47-63$ Hz Dimension (W × D × H): 231 mm × 114 mm × 137 mm (9.1 in. x 4.5 in. x 5.4 in.) Weight: Approx. 2.45 kg (5.4 lb) Input Voltage: AC100–240 V, 50/60 Hz (AC adapter)				
Options	SZX-LGR66, adapter for SZX10	_	HLL301: Collector lens	_		

TOTAL MAGNIFICATIONS AND ACTUAL FIELD DIAMETERS OF SZX2-ZB16/SZX2-ZB16A*1

Objective	Eyepiece								
	WHN10X-H		WHSZ15X-H		WHSZ20X-H		WHSZ30X-H		
	total mag. field diameter (mm) total mag. field diameter (mm)		total mag.	field diameter (mm)	total mag.	field diameter (mm)			
SDFPLFL0.3X	2.1X-34.5X	ø104.8–ø6.4	3.2X-51.8X	ø76.2–ø4.6	4.2X-69X	ø59.5-ø3.6	6.3X-103.5X	ø33.3-ø2.0	
SDFPLFL0.5XPF	3.5X-57.5X	ø62.9-ø3.8	5.3X-86.3X	ø45.7-ø2.8	7X-115X	ø35.7-ø2.2	10.5X-172.5X	ø20.0-ø1.2	
SDFPLAPO0.8X	5.6X-92X	ø39.3-ø2.4	8.4X-138X	ø28.6-ø1.7	11.2X-184X	ø22.3–ø1.4	16.8X-276v	ø12.5-ø0.8	
SDFPLAPO1XPF	7X-115X	ø31.4–ø1.9	10.5X-172.5X	ø22.9–ø1.4	14X-230X	ø17.9–ø1.1	21X-345X	ø10.0-ø0.6	
SDFPLAPO1.6XPF	11.2X-184X	ø19.6-ø1.2*2	16.8X-276X	ø14.3–ø0.9	22.4X-368X	ø11.2–ø0.7	33.6X-552X	ø6.3-ø0.4	
SDFPLAPO2XPFC	14X-230X	ø15.7–ø1*²	21X-345X	ø11.4–ø0.7*²	28X-460X	ø8.9–ø0.5	42X-690X	ø5.0-ø0.3	

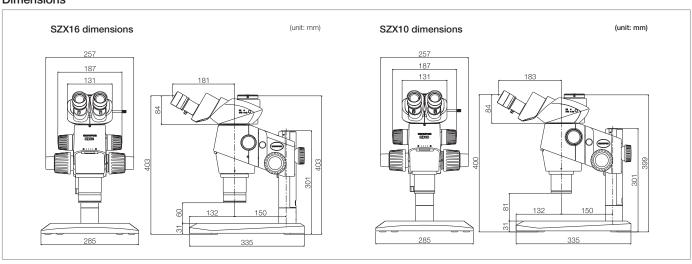
^{*1} SZX2-LTTR: intermediate magnification is 1.25X *2 Some vignetting may occur from optical characteristics. This occurs in observations at low magnification.

TOTAL MAGNIFICATIONS AND ACTUAL FILED DIAMETERS OF SZX2-ZB10*3

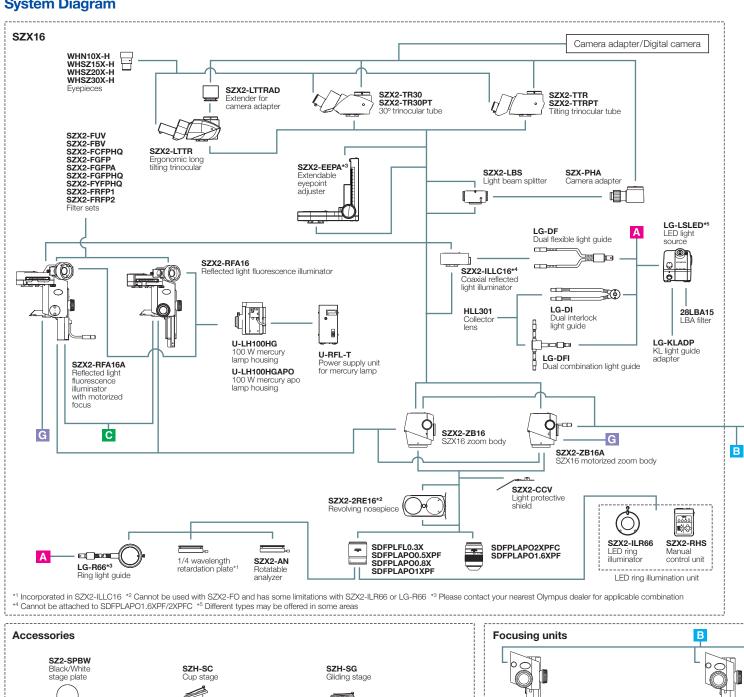
Objective	Eyepiece								
	WHN10X-H		WHSZ15X-H		WHSZ20X-H		WHSZ30X-H		
	total mag.	field diameter (mm)	total mag.	field diameter (mm)	total mag.	field diameter (mm)	total mag.	field diameter (mm)	
DFPL0.5X-4	3.2X-31.5X	ø69.8–ø7.0	4.7X-47.3X	ø50.8–ø5.1	6.3X-63X	ø39.7–ø4	9.5X-94.5X	ø22.2-ø2.2	
DFPL0.75X-4	4.7X-47.3X	ø46.6–ø4.7	7.1X-70.9X	ø33.9–ø3.4	9.4X-94.5X	ø26.5-ø2.6	14.2X-141.8X	ø14.8–ø1.5	
DFPLAPO1X-4 SZX-ACH1X	6.3X-63X	ø34.9–ø3.5	9.5X-94.5X	ø25.4–ø2.5	12.6X-126X	ø19.8–ø2	18.9X–189X	ø11.1–ø1.1	
DFPLAPO1.25X SZX-ACH1.25X-2	7.9X-78.9X	ø27.9–ø2.8	11.8X–118.1X	ø20.3–ø2	15.8X-157.5X	ø15.9–ø1.6	23.6X-236.3X	ø8.9–ø0.9	
DFPL1.5X-4	9.5X-94.5X	ø23.3-ø2.3	14.2X-141.8X	ø16.9–ø1.7	18.9X-189X	ø13.2–ø1.3	28.4X-283.5X	ø7.4–ø0.7	
DFPL2X-4	12.6X-126X	ø17.5–ø1.7	18.9X-189X	ø12.7–ø1.3	25.2X-252X	ø9.9–ø1	37.8X-378X	ø5.6-ø0.6	

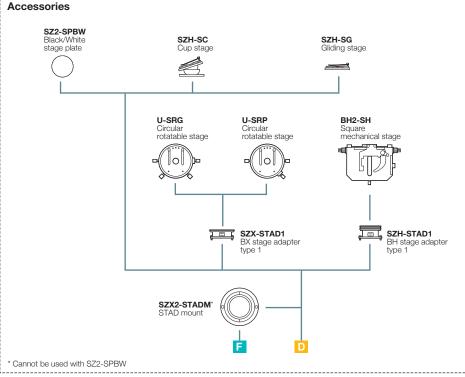
 *3 SZX2-LTTR: intermediate magnification is 1.25X

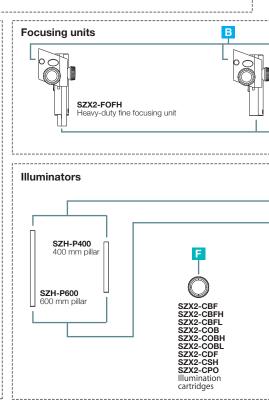
Dimensions

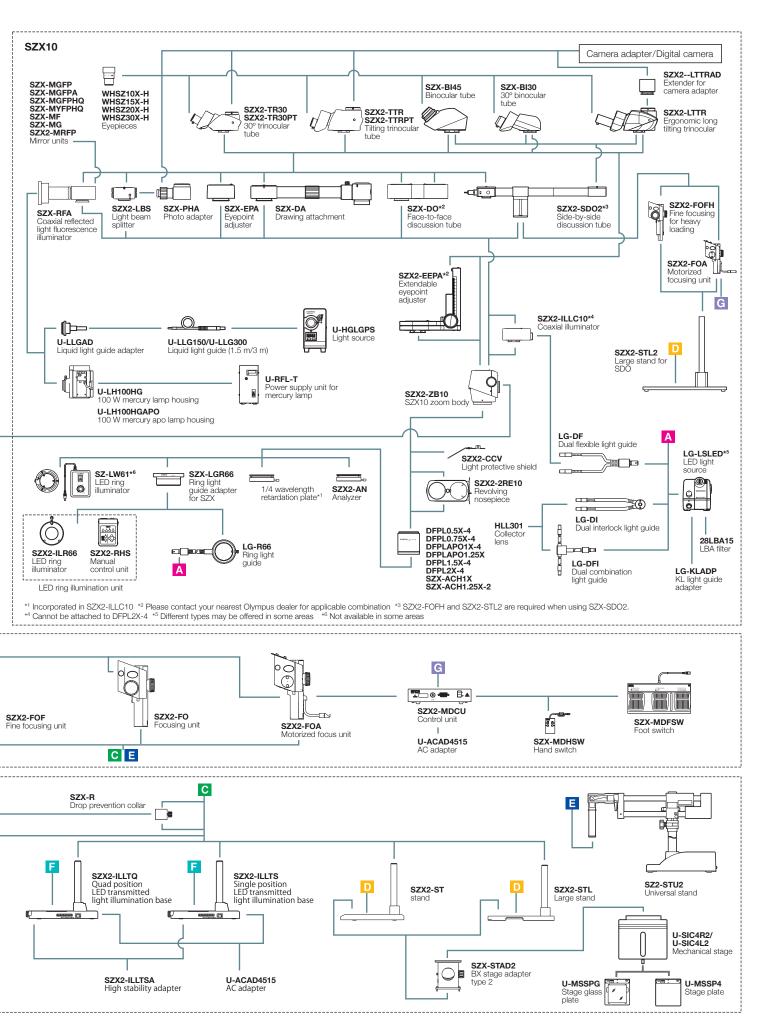


System Diagram









- OLYMPUS CORPORATION is ISO14001 certified. OLYMPUS CORPORATION is ISO9001 certified.
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