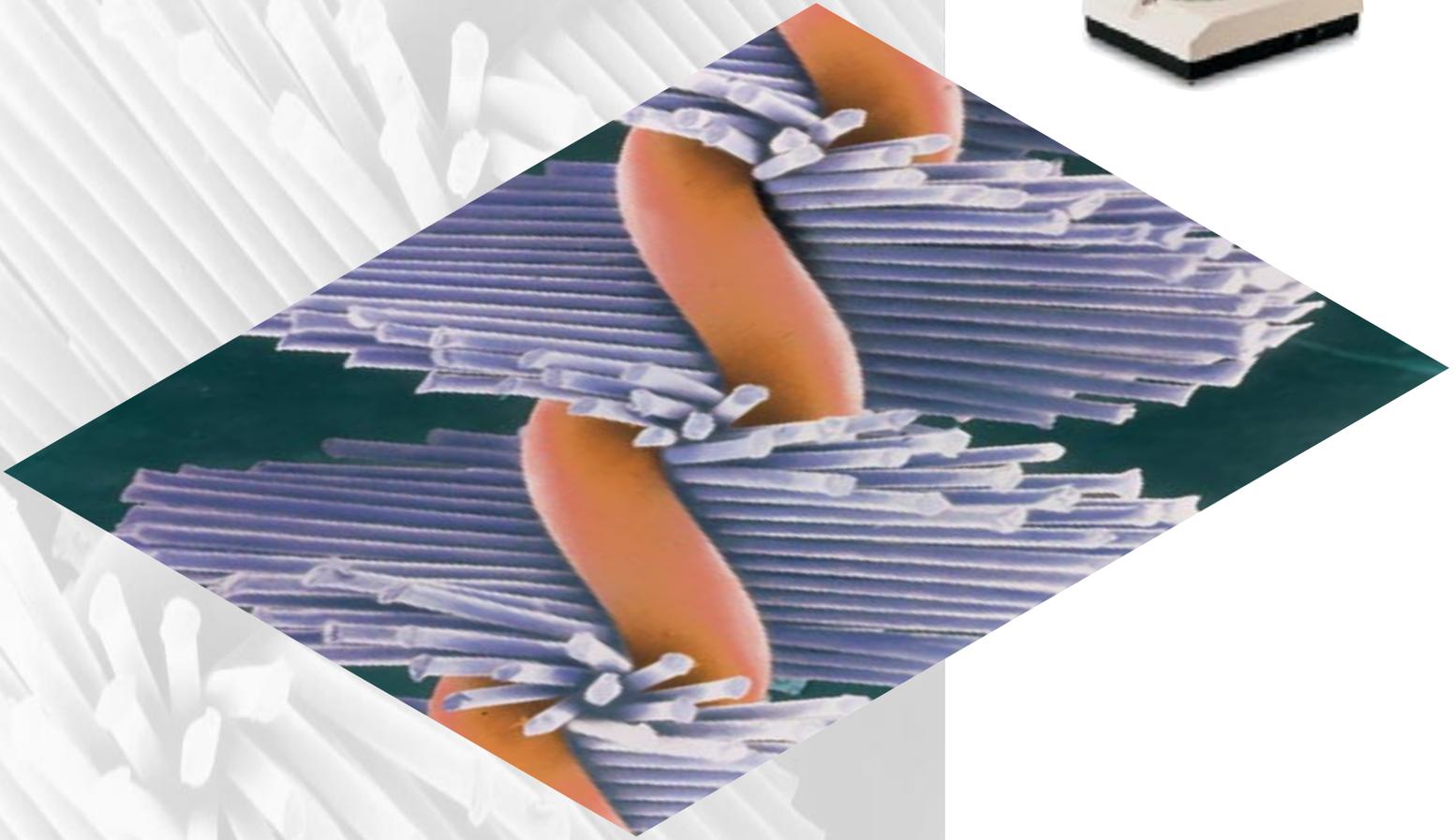


ZoomMaster™ 65

PRIOR
Scientific

**StereoZoom
Microscope System**



ZoomMaster™ 65

Stereo Zoom Microscope System

Prior's ZoomMaster 65 stereo zoom microscope offers a magnification range of 3.5X to 225X at an affordable price and with excellent optical performance. The quality optical system gives a crisp image that remains in focus throughout the zoom range. Complete systems are available for such applications as industrial inspection, research, education, life sciences and OEM applications but the modular design of the ZoomMaster 65 also allows you to configure a system to exactly meet your needs. This flexibility is further enhanced by a variety of CCTV and photographic options, illumination systems and accessories.



ZoomMaster 65 with optional glide stage and fluorescent ring light

Advanced Specifications

Zoom Body

The ZoomMaster 65 body has a zoom magnification range of 0.7X to 4.5X with a working distance of 108mm. It is available in binocular (Z6BB) or trinocular (Z6TB) versions with convenient side mounted zoom controls. A superior optical design provides exceptional resolution, bright images and parfocality throughout the zoom range.

The ZoomMaster 65 is equipped with 45° inclined focusing eyepiece tubes with an adjustable interpupillary distance of between 55mm and 75mm.

The trinocular body (Z6TB) has a photo port for photographic and CCTV applications.

Optics

The ZoomMaster 65 microscope provides an erect, unreversed stereoscopic view with bright, sharp images. Widefield 10X eyepieces with rubber eyecups are supplied as standard, providing a 7X to 45X magnification range. Using 15X, 20X and 25X widefield eyepieces or 0.5X and 2.0X auxiliary lenses can extend this range of magnifications from

as low as 3.5X up to 225X.

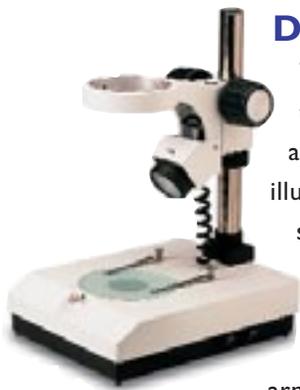


Specification Chart

		Eyepieces 10x	Eyepieces 15x	Eyepieces 20x	Eyepieces 25x
Objectives	Working Distance	Magnification Range	Magnification Range	Magnification Range	Magnification Range
0.5x	189mm	3.5x - 22.5x	5.3x - 33.8x	7x - 45x	8.8x - 56.3x
None	108mm	7x - 45x	10.5x - 67.5x	14x - 90x	17.5x - 112.5x
2.0x	34mm	14x - 90x	21x - 135x	28x - 180x	35x - 225x

Flexible Stand Options

The ZoomMaster 65 stereomicroscope system offers a variety of stand options providing stable, ergonomic designs with the added benefit of a small footprint. Both the Z6BB and Z6TB zoom bodies can be configured with any of the ZoomMaster 65 stands. This allows complete flexibility to select the most appropriate system to match your needs.



Duplex Stand

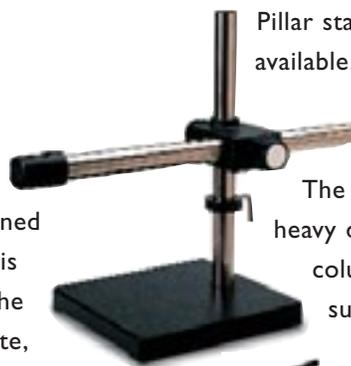
The Duplex stand features both transmitted (5W fluorescent) and incident (20W halogen) illumination in a compact, self-contained stand. A variable intensity control is used to optimize illumination. The stand includes an opal stage plate, blue filter, stage clips and focusing arm with illuminator.

Glide Stage

Prior's glide stage ZS303 is compatible with the duplex and pillar stands and provides 40mm of smooth movement for moving specimens under the microscope. It can be used for both incident and transmitted light applications.

Pillar Stand

For the examination of opaque specimens, the stable Pillar stand is equipped with a reversible black and white contrast plate, two stage clips and focusing arm. A range of illuminators suitable for use with the Pillar stand is available.



Universal Stand

The Universal stand incorporates a heavy duty base and sturdy vertical column. A long horizontal arm supports the zoom head making this system ideal for viewing large specimens.

Focusing Arm

Available for OEM or in-house designs, the focusing arm (F6B100E) provides smooth focusing, free of backlash by means of a precision rack and pinion mechanism.

Comprehensive Illumination

Spot Illuminator

The spot illuminator S2041, provides a 12V 10W lamp with transformer and variable intensity control for even illumination across the whole field of view. This compact unit can be conveniently located and the flexible double link arm which supports the lamp can be adjusted to a variety of positions.



S2041

Cold Light Illuminators

The 20W cold light illuminator CL20, provides a fixed colour temperature of 3100K via single or bifurcated flexible light guides and optional focusing lens.

The higher intensity CL150, provides a variable 150W illuminator with a colour temperature of 3250K. The system may be used with single or bifurcated light guides with optional focusing lenses or a continuous ringlight.

CL150/2 with bifurcated light guide



WSNLG150

WRL261

Fluorescent Ring Light

The fluorescent ring light W9206, provides shadow free illumination and fits easily to the microscope body. This illuminator offers an ideal, low cost solution for small part inspection applications.



Model Z6TU49 with CCTV system and S2041 illuminator



magnifications are available. In this configuration, the ZoomMaster 65 is ideal for a variety of teaching, imaging and documentation applications.

Measurement Options

Photomicrography

The ZoomMaster 65 trinocular body (Z6TB) provides all the advanced features of the binocular body but with the added facility of a camera port. A light path selector transfers the image from the left eyetube directly to the camera while still allowing simultaneous observation through the right eyetube. A simple 1X CCTV adapter or reducing adapters with 0.3X, 0.5X and 0.75X

Prior's ZoomMaster 65 system is easily fitted with an eyepiece reticle and a stage micrometer to permit accurate measurement of specimens using the microscope. This facility can be further extended using video reticle generators for rapid and simple measurements in X and Y axes plus far more complex measurement requirements. Further information about on screen reticle generators is available from your local representative.

ZoomMaster Model Maker

	Z6BP101	Z6TP101	Z6BD223	Z6TD2223	Z6BU49	Z6TU49	Z6BU49E	Z6BI00E
Binocular body (Z6BB)	•		•		•		•	•
Trinocular body (Z6TB)		•		•		•		
Two 10x WF Eyepieces (Z6S10WF)	•	•	•	•	•	•	•	•
Focus Block (F6B100)					•	•		
Focus Block (F6B100E)							•	•
Pillar Stand (Z6P101)	•	•						
Duplex Stand (Z6D222/230V or Z6D223/115V)			•	•				
Universal Stand (ZS2049)							•	
Universal Stand with 25mm Post (Z6S2049)					•	•		

ZoomMaster 65

Comprehensive Stereomicroscopy at affordable prices.

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