

## ERGO-ZOOM™ BINOCULAR MICROSCOPE ON BALL BEARING BASE - ESD SAFE



### SKU# TKEZ

Our **TKEZ package** is the standard model in our **Ergo-Zoom™ series**. This model has a choice of three zoom levels (.8-5, .8-6.4, and .8-8), and has detented magnification stops for reliable, standardized inspection. Magnification range of this package, with all options, is up to 320x.

**Consult Magnification Charts at the bottom of the page for magnification ranges available.**

Included standard by O.C. White is the ergonomically adjustable eyepiece head. They swivel up and downwards from 0-35°. Included standard with all sets are our wide focus, large diameter 10x eyepieces, and 1x Auxiliary lens. **Due to its optical design, this binocular microscope can be converted into a Trinocular model with the addition of the EZ-SPLITTER. This is installed in line of the optics, and is a “true” Trinocular... no eyepiece loss when in use!**

This package features a heavy duty, double ball bearing arm base. This ball bearing arm provides effortless motion through the range, as well as 20” of horizontal movement. This ESD safe base is built for years of perfect use, without needing any maintenance. The enclosed ball bearing sleeves are specially designed for long use. Articulating Armatures are also available for this microscope series, for specialized applications, but are not typically recommended for this level microscope.

This microscope line is manufactured to use any ESD Safe, Micro-Lite™ illuminator. Our recommended selection is our High Output LV2000 LED Ring Illuminator (-LV2). This array uses very minimal electricity, never has bulbs to replace, and is warranted for 5 years/50,000 Hours (Pro-rated). It also meets and exceeds the light output of many 150w Halogen fiber optic units on the market today!

### PRODUCT DESCRIPTION

Our **TKEZ package** is the standard model in our **Ergo-Zoom™ series**. This model has a choice of three zoom levels (.8-5, .8-6.4, and .8-8), and has detented magnification stops for reliable, standardized inspection. Magnification range of this package, with all options, is up to 320x.

**Consult Magnification Charts at the bottom of the page for magnification ranges available.**

Included standard by O.C. White is the ergonomically adjustable eyepiece head. They swivel up and downwards from 0-35°. Included standard with all sets are our wide focus, large diameter 10x eyepieces, and 1x Auxiliary lens. **Due to its optical design, this binocular microscope can be converted into a Trinocular model with the addition of the EZ-SPLITTER. This is installed in line of the optics, and is a “true” Trinocular... no eyepiece loss when in use!**

This package features a heavy duty, double ball bearing arm base. This ball bearing arm provides effortless motion through the range, as well as 20” of horizontal movement. This ESD safe base is built for years of perfect use, without needing any maintenance. The enclosed ball bearing sleeves are specially designed for long use. Articulating Armatures are also available for this microscope series, for specialized applications, but are not typically recommended for this level microscope.

This microscope line is manufactured to use any ESD Safe, Micro-Lite™ illuminator. Our recommended selection is our High Output LV2000 LED Ring Illuminator (-LV2). This array uses very minimal electricity, never has bulbs to replace, and is warranted for 5 years/50,000 Hours (Pro-rated). It also meets and exceeds the light output of many 150w Halogen fiber optic units on the market today!

### **3 Light Source Options Available**

- **LV2000** | High Intensity Dimmable LED
- **FL3000-A** | "Annular" Fiber Optic
- **FL3000-D** | "Dual-Point" Fiber Optic

### **Magnification Chart**

#### **EZ-850 Specifications**

Eyepiece	With EZ-OB-050A (.5x Achromatic)	With EZ-OB-050 (.5x Plan APO)	With EZ-OB-100 (1x Plan APO) Std. in Kits	With EZ-OB-200 (2x Plan APO)
10X	4X~25X	4X~25X	8X~50X	16X~100X
	Φ60~Φ9.6	Φ60~Φ9.6	Φ30~Φ4.8	Φ15~Φ2.4
15X	6X~37.5X	6X~37.5X	12X~75X	24X~150X
	Φ40~Φ6.4	Φ40~Φ6.4	Φ20~Φ3.2	Φ10~Φ1.6
20X	8X~50X	8X~50X	16X~100X	32X~200X
	Φ30~Φ4.8	Φ30~Φ4.8	Φ15~Φ2.4	Φ7.5~Φ1.2
Working Distance	200mm (7.87")	126mm (4.96")	78mm (3.07")	32.5mm (1.28")

#### **EZ-864 Specifications**

Eyepiece	With EZ-OB-050A (.5x Achromatic)	With EZ-OB-050 (.5x Plan APO)	With EZ-OB-100 (1x Plan APO) Std. in Kits	With EZ-OB-200 (2x Plan APO)
10X	4X~32X	4X~32X	8X~64X	16X~128X
	Φ60~Φ7.4	Φ60~Φ7.4	Φ30~Φ3.7	Φ15~Φ1.85
15X	6X~48X	6X~48X	12X~96X	24X~192X
	Φ40~Φ5	Φ40~Φ5	Φ20~Φ2.5	Φ10~Φ1.25
20X	8X~64X	8X~64X	16X~128X	32X~256X
	Φ30~Φ3.8	Φ30~Φ3.8	Φ15~Φ1.9	Φ7.5~Φ0.8
Working Distance	200mm (7.87")	126mm (4.96")	78mm (3.07")	32.5mm (1.28")

**EZ-880 Specifications**

Eyepiece	With EZ-OB-050A (.5x Achromatic)	With EZ-OB-050 (.5x Plan APO)	With EZ-OB-100 (1x Plan APO) Std. in Kits	With EZ-OB-200 (2x Plan APO)
10X	4X~40X	4X~40X	8X~80X	16X~160X
	Φ60~Φ6	Φ60~Φ6	Φ30~Φ3	Φ15~Φ1.5
15X	6X~60X	6X~60X	12X~120X	24X~240X
	Φ40~Φ4	Φ40~Φ4	Φ20~Φ2	Φ10~Φ1
20X	8X~80X	8X~80X	16X~160X	32X~320X
	Φ30~Φ3	Φ30~Φ3	Φ15~Φ1.5	Φ7.5~Φ0.75
Working Distance	200mm (7.87")	126mm (4.96")	78mm (3.07")	32.5mm (1.28")

Φ Refers to Field of View measurements in millimeters

**SPECIFICATIONS**

<b>Name</b>	Ergo-Zoom™ Binocular Microscope on Ball Bearing Base - ESD Safe
<b>SKU</b>	TKEZ
<b>Product Line</b>	O.C. White
<b>Magnification</b>	8-50x Standard - up to 200x with included options
<b>Adjustable Eyepiece Range</b>	0-35° Swivel
<b>Eyepieces Included</b>	Large Diameter 10x Eyepieces & 1x Auxiliary Lens included standard
<b>ESD Safe</b>	Yes