

## Ergo-Zoom<sup>®</sup>

*Comfort is our Main Objective*

**Ergo-Zoom<sup>®</sup> Combines Comfort with the Highest Quality Image Possible from a Microscope!**

Ergo-Zoom<sup>®</sup> microscopes set a new standard for industry, offering scientific grade Common Main Objective (CMO) optical design at very attractive price points. This optical design delivers distortion free, high resolution flat field images. If you are inspecting mission-critical parts, there is no finer solution.



TKEZ-850-LV2



Our ergonomic design includes a 0–35° adjustable angle eyepiece. Neck fatigue and eye strain are a thing of the past! Wide focus, large diameter 10x eyepieces and 1x auxiliary lenses are standard.

**Ergo-Zoom<sup>®</sup>** is a modular microscope line which can grow with you, and be outfitted to match your exact needs. Your custom is our standard. It is available in three standard zoom ranges (8–50x, 8–65x, and 8–80x), and features detented zoom stops for repeatable magnification location. You can configure **Ergo-Zoom<sup>®</sup>** to reach up to 320x!

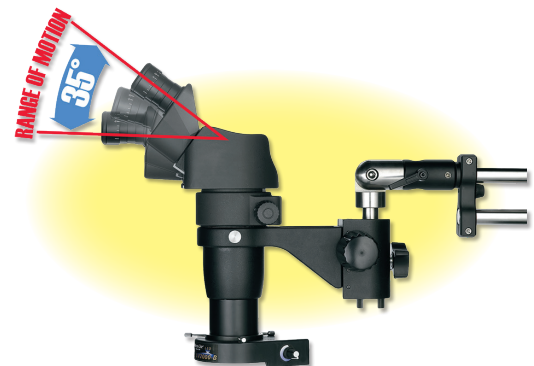
The Precision Glide ball bearing arm gives effortless motion with 20" of horizontal movement - and rock solid stability. Built for years of perfect use. All **Ergo-Zoom<sup>®</sup>** microscopes are built with ESD safety in mind.

### FEATURES:

- 8 – 50x Standard Magnification Range
- Up to 320x with Options
- Wide Focus, Large Diameter 10x Eyepieces for all-day Ergonomic Comfort
- 32.5 – 200mm Working Distances (Based on Objective Lens)
- ±5 Diopter Adjustable Eyepiece Tubes for Clarity
- Eyetube Inclination of 45°
- Easy 360° Main Body Rotation
- ESD Safe
- Modular Designed System for Expandable Performance
- 5 Year Mechanical Warranty... **Best in the Business!**

### 4 Light Source Options Available

- LV2000-B | High Intensity Dimmable LED
- FL3000-A | "Annular" Fiber Optic
- FL3000-D | "Dual-Point" Fiber Optic
- FL3000-BL | Back Light



## ERGO-ZOOM® EZ-850 TECHNICAL DATA:

Eyepiece		EZ-OB-050A (.5x Achromatic)	EZ-OB-050 (.5x Plan APO)	EZ-OB-100 (1x Plan APO)	EZ-OB-200 (2x Plan APO)
10x	MAG:	4–25x	4–25x	8–50x	16–100x
	FOV:	60–9.6mm	60–9.6mm	30–4.8mm	15–2.4mm
15x	MAG:	6–37.5x	6–37.5x	12–75x	24–150x
	FOV:	40–6.4mm	40–6.4mm	20–3.2mm	10–1.6mm
20x	MAG:	8–50x	8–50x	16–100x	32–200x
	FOV:	30–4.8mm	30–4.8mm	15–2.4mm	7.5–1.2mm
Working Distance		200mm	126mm	78mm	32.5mm

## ERGO-ZOOM® EZ-865 TECHNICAL DATA:

Eyepiece		EZ-OB-050A (.5x Achromatic)	EZ-OB-050 (.5x Plan APO)	EZ-OB-100 (1x Plan APO)	EZ-OB-200 (2x Plan APO)
10x	MAG:	4–32x	4–32x	8–64x	16–128x
	FOV:	60–7.4mm	60–7.4mm	30–3.7mm	15–1.85mm
15x	MAG:	6–48x	6–48x	12–76x	24–192x
	FOV:	40–5mm	40–5mm	20–2.5mm	10–1.25mm
20x	MAG:	8–64x	8–64x	16–128x	32–256x
	FOV:	30–3.8mm	30–3.8mm	15–1.9mm	7.5–0.8mm
Working Distance		200mm	126mm	78mm	32.5mm

## ERGO-ZOOM® EZ-880 TECHNICAL DATA:

Eyepiece		EZ-OB-050A (.5x Achromatic)	EZ-OB-050 (.5x Plan APO)	EZ-OB-100 (1x Plan APO)	EZ-OB-200 (2x Plan APO)
10x	MAG:	4–40x	4–40x	8–80x	16–160x
	FOV:	60–6mm	60–6mm	30–3mm	15–1.5mm
15x	MAG:	6–60x	6–60x	12–120x	24–240x
	FOV:	40–4mm	40–4mm	20–2mm	10–1mm
20x	MAG:	8–80x	8–80x	16–160x	32–320x
	FOV:	30–3mm	30–3mm	15–1.5mm	7.5–0.75mm
Working Distance		200mm	126mm	78mm	32.5mm

## ERGO-ZOOM® SPECIFICATIONS:

Part Number	Watts	Mount	5MP Hybrid Camera	Light Source	
		Heavy Duty Ball Bearing		150W Fiber Optic	LED
TKEZ-850	-	✓			
TKEZ-850-A	150	✓		Annular Ring	
TKEZ-850-BL	150	✓		Back Light	
TKEZ-850-D	150	✓		Dual Point	
TKEZ-850-LV2	8	✓			✓
TKEZ-865	-	✓			
TKEZ-865-A	150	✓		Annular Ring	
TKEZ-865-BL	150	✓		Back Light	
TKEZ-865-D	150	✓		Dual Point	
TKEZ-865-LV2	8	✓			✓
TKEZ-880	-	✓			
TKEZ-880-A	150	✓		Annular Ring	
TKEZ-880-BL	150	✓		Back Light	
TKEZ-880-D	150	✓		Dual Point	
TKEZ-880-LV2	8	✓			✓
TKEZT-850	-	✓	✓		
TKEZT-850-A	150	✓	✓	Annular Ring	
TKEZT-850-BL	150	✓	✓	Back Light	
TKEZT-850-D	150	✓	✓	Dual Point	
TKEZT-850-LV2	8	✓	✓		✓
TKEZT-865	-	✓	✓		
TKEZT-865-A	150	✓	✓	Annular Ring	
TKEZT-865-BL	150	✓	✓	Back Light	
TKEZT-865-D	150	✓	✓	Dual Point	
TKEZT-865-LV2	8	✓	✓		✓
TKEZT-880	-	✓	✓		
TKEZT-880-A	150	✓	✓	Annular Ring	
TKEZT-880-BL	150	✓	✓	Back Light	
TKEZT-880-D	150	✓	✓	Dual Point	
TKEZT-880-LV2	8	✓	✓		✓

### Trinocular Models Feature Standard Onboard Image Controls Including:



#### IMAGE CAPTURE

Quickly capture image and videos while inspecting directly to the 8GB SD card. Sort and archive to a PC.



#### CALIBRATED MEASURE

An entire array of Measurement Tools for high precision and repeatable measurements without a PC!



#### REAL TIME COMPARE

Compare live video feed with previous captured images. Search and sort for instant comparison.



#### ULTRA-HIGH SENSITIVITY

Industry leading low light sensitivity allows for crystal clear images where competitors cameras fail.

### Additional features found in (AIMS) PC Suite Software:



#### EXTENDED DEPTH OF FOCUS

This specialized tool allows for 'stacking' of multiple images of tall objects taken at various focal lengths, into a single super high clarity image.



#### IMAGE STITCHING

Inspecting something that is just too big to view all at once? Capture multiple images of the object, then 'stitch' them together digitally to create a single extra-large image.

### Ergo-Zoom® 8-50x Trinocular with Ultra-Cam II™ & 22" LED Monitor

Includes all of the features and benefits shown for the TKDEZT-850-LV2 system, but also includes a 22" HD LED screen. We have matched the specifications of this screen to be the perfect companion to our 5MP Camera. Not all flat screens are created equal.



### 9 Languages Supported

简体中文	한국어	Le Français
繁体中文	Deutsch	日本語
English	Italiano	El Español