



**NEW**

# EMZ-13 Series

## Zoom STEREO MICROSCOPES

### **EMZ-13 and EMZ-13TR ZOOM STEREO MICROSCOPES WITH THE BEST ZOOM RATIO IN THIS CLASS.**

The Newly developed EMZ-13 and EMZ-13TR from Meiji Techno have arrived to meet your everyday demands from a name you can trust. The EMZ-13 features high-resolution, high magnification, zoom optics, which are specifically designed to provide clear, non distorted, high contrast images and ultra wide fields of view. The Greenough optical system, which offers a 7:1 zoom ratio, provides exceptional image quality and excellent depth of field.

The EMZ-13 and EMZ-13TR provide an extremely wide range of magnifications from 1.5X to 420X with optional eyepieces and auxiliary lenses. The extended zoom range offers the best zoom ratio in its class as well as superior image contrast, and superb resolution.

The EMZ-13TR trinocular body directs light to all three viewing ports simultaneously, allowing the specimen to be viewed simultaneously through both eyepieces while being observed on a video monitor or photographed using optional 35mm or digital camera accessories. Specially designed video "C" mount adapters are available to match individual CCD video camera systems.

The EMZ-13 and EMZ-13TR are versatile rugged microscope systems that are designed for years of use in multipurpose in demanding environments.



**EMZ-13TR  
with SWF 10X  
eyepieces**

**EMZ-13PK  
EMZ-13 on  
PK Stand  
with SWF 10X  
eyepieces**

### **BENEFITS AND FEATURES**

- Convergent optical system (Greenough design).
- Crisp, erect high-resolution images with excellent stereoscopic effect.
- Rugged all metal body designed to last lifetime.
- Zoom range 1.0X~7.0X.
- Zoom ratio 7:1.
- Ergonomically positioned bilateral zoom controls.
- Binocular tubes incline at 45 degrees for fatigue free viewing.
- Total magnification range available with optional auxiliary lenses and eyepieces 1.5X to 420X.
- Dual diopter adjustment (+/-5 diopters) allows the specimen to remain in focus throughout the entire zoom magnification range.
- Interpupillary distance adjustment from 54mm to 75mm.
- Standard working distance 90mm.

## EYEPIECES

- MA501** Super Widefield 5X Eyepiece, field No.26
  - MA502** Super Widefield 10X Eyepiece with 25mm diameter reticle mount, field No.23
  - MA520** Super Widefield 12.5X Eyepiece with 25mm diameter reticle mount, field No.20
  - MA503** Super Widefield 15X Eyepiece with 25mm diameter reticle mount, field No.15.4
  - MA535** Super Widefield 15X High-eyepoint eyepiece with 25mm diameter reticle mount, field No. 16.0
  - MA504** Super Widefield 20X Eyepiece with 25mm diameter reticle mount, field No. 11.5
  - MA521** Super Widefield 30X Eyepiece field No. 7.7
  - MA519** Super Widefield 10X Focusing eyepiece (single) with 25mm diameter reticle mount, field No.21
  - MA600** Eyeshields (paired)
- Note: All eyepieces are paired unless otherwise indicated.

## DIGITAL CAMERA ADAPTERS

Digital Camera adapters available for following models :

<b>CANON</b>	Powershot	G1, G2, G3, G5
<b>NIKON</b>	Coolpix	800, 900, 900S, 950, 990, 995, 4500, 5000, 5400, 5700, 4300, 850
<b>OLYMPUS</b>	Camedia	C3030, C3040, C3100, C4040, C4100, C5050, C700, C720, C740, C750
<b>FUJI</b>	Finepix	S602, 4900Z, 6900Z, S5000
<b>SONY</b>	Cybershot	S70, S75, S85, CD300, CD400, CD500

Please specify the camera model you will use with EMZ-13 Series.

## SUPPLEMENTAL LENSES

- (※) **MA530** Auxiliary lens 0.3X, Working distance 230mm
- MA525** Auxiliary lens 0.44X, Working distance 167mm
- MA517** Auxiliary lens 0.5X, Working distance 139mm
- MA526** Auxiliary lens 0.75X, Working distance 92mm
- MA507** Auxiliary lens 1.5X, Working distance 48mm
- MA511** Auxiliary lens 2.0X, Working distance 32mm



MA517 MA507 MA511

## VIDEO "C" MOUNTS

**MA151/8TR** "C"mount with 0.6X lens



MA151/8TR

SPECIFICATIONS	EMZ-13	EMZ-13TR
Body	Blnocular	Trinocular
Zoom Ratio	7 : 1	
Zoom Range	1.0X - 7.0X	
Zoom Control	Dual, graduated, bilateral mount.	
Field of View	23mm ~ 3.2mm (with SWF10X eyepiece)	
Working Distance	90mm	
Eyepiece Inclination	45°	
Interpupillary Distance	54mm ~ 75mm	
Dioptic Adjustment	Dual (+5 diopters)	
Extended Working Distance	230mm with optional MA530 lens(※)	
Extended Field of View	73.8mm ~ 4.4mm with optional MA530 lens(※)	
Special Features		Simultaneous viewing through the trinocular tube and both eyepieces.

## EMZ-13 Series OPTICAL DATA

EMZ-13 EMZ-13TR Zoom Range	Eyepieces Auxiliary Lens	SWF10X		SWF12.5X		SWF15X		SWF20X		SWF30X		Working Distance (mm)
		Total Magnification	Field Diameter (mm)	Total Magnification	Field Diameter (mm)	Total Magnification	Field Diameter (mm)	Total Magnification	Field Diameter (mm)	Total Magnification	Field Diameter (mm)	
1.0X ~ 7.0X	none	10X~70X	22.0~3.14	12.5X~87.5X	17.6~2.51	15X~105X	14.66~2.09	20X~140X	11.0~1.57	30X~210X	7.33~1.04	90
	0.3X	3X~21X	73.33~10.47	3.75X~26.25X	58.6~8.38	4.5X~31.5X	48.88~6.98	6.0X~42.0X	36.6~5.23	9.0X~63.0X	24.44~3.49	230
	0.44X	4.4X~30.8X	50.0~7.13	5.5X~38.5X	40.0~4.5	6.6X~46.2X	33.1~4.5	8.8X~61.6X	25.0~3.5	13.2X~92.4X	16.5~2.3	167
	0.5X	5X~35X	44.0~6.28	6.25X~43.75X	35.2~5.02	7.5X~52.5X	29.3~4.19	10.0X~70.0X	22.0~3.14	15.0X~105.0X	14.6~2.09	139
	0.75X	7.5X~52.5	29.3~4.19	9.37X~65.62X	23.47~3.35	11.25X~78.75X	19.55~2.79	15.0X~105.0X	14.66~2.09	22.5X~157.5X	9.77~1.39	92
	1.5X	15.0X~105.0X	14.6~2.09	18.75X~131.25X	11.73~1.67	22.5X~157.5X	9.77~1.39	30.0X~210.0X	7.33~1.04	45.0X~315.0X	4.88~0.69	48
	2.0X	20.0X~140.0X	11.0~1.57	25.0X~175.0X	8.8~1.25	30.0X~210.0X	7.33~1.04	40.0X~280.0X	5.50~0.78	60.0X~420.0X	3.66~0.52	32

All types of Holders and Stands for MEIJI EMZ Series Zoom Stereo are commonly used.  
New FK holder is available for OEM users.

Agent :



100 Lauman Lane, Suite A, Hicksville, NY 11801  
Tel: (877) 877-7274 | Fax: (516) 801-2046  
Email: Info@nyscopes.com  
www.microscopeinternational.com

## MEIJI TECHNO CO.,LTD.

322-1,Chikumazawa Miyoshi-machi, Iruma-gun Saitama 354-0043, Japan  
Phone : (0)49-259-0111 Fax : (0)49-259-0113

E-mail : [meiji@meijitechno.co.jp](mailto:meiji@meijitechno.co.jp)  
<http://www.meijitechno.co.jp>

## MEIJI TECHNO AMERICA

2186 Bering Drive, San Jose, CA., 95131, USA  
Phone : 408-428-9654 Fax : 408-428-0472

Toll free : 800-832-0060

E-mail : [sales@meijitechno.com](mailto:sales@meijitechno.com)  
<http://www.meijitechno.com>

