



NEW

EMZ-12 Series Zoom Stereo Microscopes

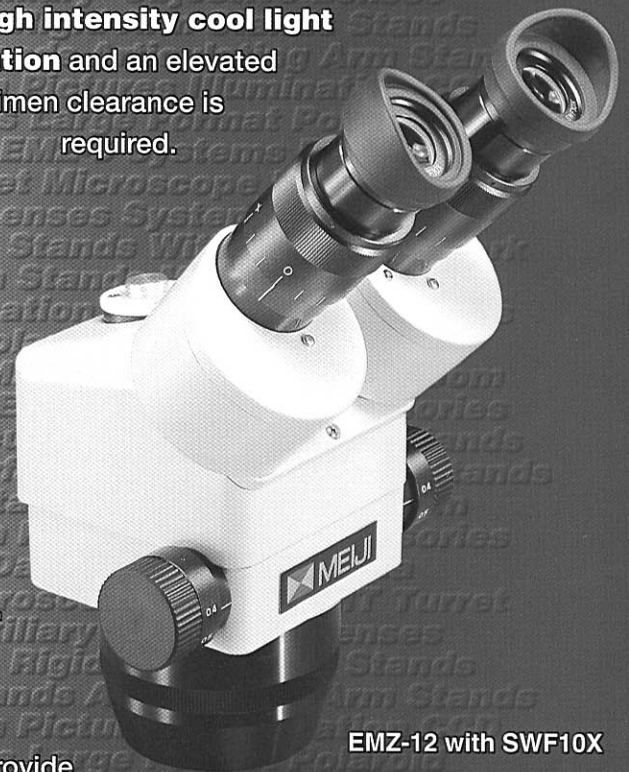


EMZ-12TR with SWF10X

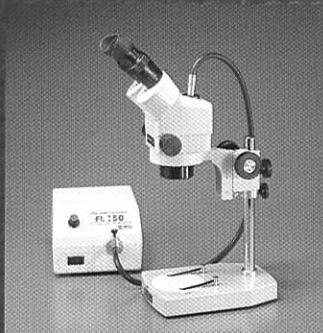
The EMZ-12TR trinocular body directs light to all three viewing ports simultaneously. The specimens image **can be viewed through both eyepieces while being observed on a video monitor or photographed using 35mm or select digital camera accessories.**

A specially designed video "C" mount (MA151/8TR) with built in 0.6X lens is also available as an option.

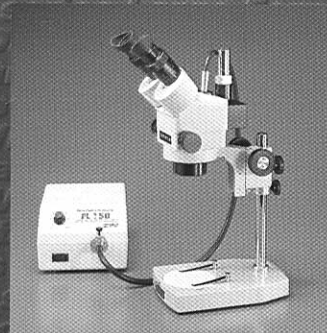
The EMZ-12 and EMZ-12TR offer a 6.2:1 zoom ratio and provide magnifications from 2.8X to 75X with optional eyepieces and auxiliary lenses. The EMZ-12 Series utilizes the FL150/100 or FL150/200 fiber optic light source in conjunction with the FL150/12 specially designed fiber optic light pipe to achieve superior cool light illumination over an exceptionally large field of view. (Note: The FL150 Series components must be ordered individually.)



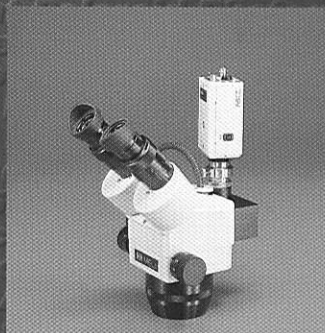
EMZ-12 with SWF10X



EMZ-12 with SWF10X, PX stand, FL150 and FL150/12



EMZ-12TR with SWF10X, PX stand, FL150 and FL150/12



EMZ-12TR with SWF10X, MA151/8TR and CK3900



EMZ-12TR with SWF10X, MA151/35/50 and NIKON® Coolpix® 950

EMZ-12 & EMZ-12TR ZOOM STEREO MICROSCOPES WITH NEAR VERTICAL FIBER OPTICS ILLUMINATION

BENEFITS AND FEATURES

- Convergent optical system (Grenough design).
- Crisp, erect high-resolution images with excellent stereoscopic effect.
- Rugged all metal body designed to last a lifetime.
- Zoom range 0.4X to 2.5X
- Zoom ratio 6.2:1
- Ergonomically positioned bilateral zoom controls.
- Binocular tubes inclines at 45° for fatigue free viewing.
- Total magnification range available with optional auxiliary lenses and eyepieces 1.4X to 75X.
- Near vertical fiber optic illumination.
- 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 185mm.
- Extended working distance with optional (MA652) auxiliary lens 233mm.

DIGITAL CAMERA ADAPTERS

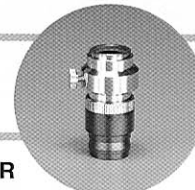
- MA151/35/50 Nikon® Coolpix® Model 950 and Model 990 digital camera adapter.
- MA151/35/60 Olympus® CAMEDIA C-3040 ZOOM digital camera adapter.

SUPPLEMENTAL LENSES

- MA652 Supplemental lens 0.7X, working distance: 233mm.

VIDEO "C" MOUNTS

- MA151/8TR Mount adapter with 0.6X lens



MA151/8TR



MA652



MA151/35/50

SPECIFICATIONS	EMZ-12	EMZ-12TR
Body:	Binocular	Trinocular
Zoom Ratio:	6.25:1	
Zoom Range:	0.4X-2.5X	
Zoom Control:	Dual, graduated, bilateral mount.	
Field Of View:	57mm ~ 3mm	
Working Distance:	185mm	
Eyeteube Inclination:	45°	
Interpupillary Distance:	54mm~75mm	
Dioptic Adjustment:	Dual (+5 diopters)	
Extended Working Distance:	233mm with optional MA652 lens	
Extended Field of View:	82.1mm~4.4mm with optional MA652 lens	
Special Features:	Socket for Fiber Optic Light pipe	
Special Features:	Simultaneous viewing through the trinocular tube and both eyepieces.	
Fiber Optic Light Pipe:	FL150/12	
Fiber Optic Light Source:	FL150/100 or FL150/200	

(Note: The FL150/12, FL150/100 or FL150/200 must be ordered as separate components.)

EMZ-12 & EMZ-12TR OPTICAL DATA

Zoom Range	Eyepieces	SWF10X		SWF12.5X		SWF15X		SWF20X		SWF30X		Working Distance (mm)
	Auxiliary Lens	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)	
0.4X~2.5X	none	4X~2.5X	57~9.2	5X~31.2X	50~8	6X~37.5X	38.5~6.1	8X~50X	28.7~4.6	12X~75X	19.2~3	185
	0.7X	2.8X~17.5X	82.1~13.1	3.5X~21.8X	71.4~11.4	4.2X~26.2X	55~8.8	5.6X~35X	41~6.5	8.4X~46.2X	27.5~4.4	233

Supplied in styrofoam case with dust cover and instruction manual.

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