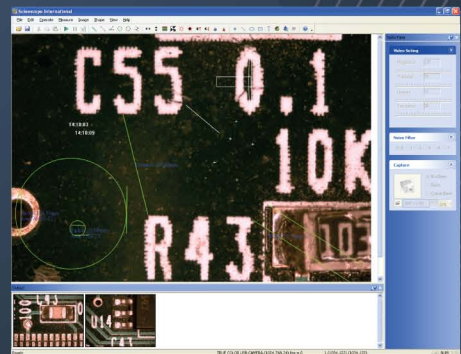


## MZ7 Micro Zoom/USB2.0

High magnification video inspection system



- ▶ **One click image capturing**  
Simple click and shoot feature equipped with adjustable color, exposure, and resolution.
- ▶ **Image comparison capability**  
Capture multiple images into memory for comparison.
- ▶ **Basic measurement tools**  
Ability to measure distance, angle, circle, point to point, line width, and calibration.



Supplied image capture software with basic measurement tools.

### Micro Zoom Optical Specifications

Objective Lens	CCD Format	Video Couplers								Working Distance
		0.5X		0.67X		1X		2X		
		MAG	FOV (mm)	MAG	FOV (mm)	MAG	FOV (mm)	MAG	FOV (mm)	
0.25X	1/3"	6.3x-40.5x	68.6-10.7	8.4x-54.2x	51.2-7.9	12.6x-81x	34.3-5.3	25.2x-161.9x	17.4-2.7	302mm
	1/2"	4.7x-30.4x	91.4-14.2	6.3x-40.7x	68.2-10.6	9.4x-60.7x	45.7-7.1	18.9x-121.4x	22.9-3.6	
0.5X	1/3"	12.6x-81x	34.3-5.3	16.9x-108.5x	25.6-0.4	25.2x-161.9x	17.1-2.7	50.4x-323.8x	8.6-1.3	176mm
	1/2"	9.4x-60.7x	45.7-7.1	12.7x-81.4x	34.1-5.3	18.9x-121.4x	22.8-3.6	37.8x-242.9x	11.4-1.7	
0.75X	1/3"	18.9x-121.4x	22.9-3.6	25.3x-162.7x	17.0-2.6	37.8x-242.9x	11.4-1.8	75.6x-485.8x	5.7-0.9	117mm
	1/2"	14.2x-91.1x	30.5-4.5	19x-122.1x	22.7-3.5	28.3x-182.2x	15.2-2.4	56.7x-364.3x	7.6-1.2	
1X	1/3"	25.2x-161.9x	17.1-2.7	33.8x-217x	12.8-2.0	50.4x-323.8x	8.6-1.3	100.8x-647.7x	4.6-0.7	96mm
	1/2"	18.9x-121.4x	22.8-3.6	25.3x-162.7x	17.1-2.7	37.8x-242.9x	11.4-1.8	75.6x-485.8x	5.7-0.9	
2X	1/3"	50.4x-323.9x	8.6-1.3	67.5x-434x	6.4-1.0	100.8x-647.7x	4.3-0.7	201.5x-1295.4x	2.1-0.3	35mm
	1/2"	37.8x-242.8x	11.4-1.8	50.6x-325.5x	8.5-1.3	75.6x-485.8x	5.7-0.9	151.1x-971.6x	2.8-0.4	

\* Included in all packages below. The magnification indicated in the table above is total magnification with 17" LCD display. Total Magnification = System Magnification X diagonal display.

### MZ7-PK5 USB2.0 Systems

Dual arm boom stand packages

#### Package Contents

- Micro Zoom body
- Dual arm boom stand
- Focus mount & adapter
- Your choice of lighting
- 0.5x video coupler
- USB2.0 camera w/ SCIENSCOPE software

Package	Part Number
w/ Fluorescent Ring Light	MZ7-PK5-FR-U
▶ w/ Adjustable LED Ring Light	MZ7-PK5-LED-U
w/ Fiber Optic Annular Ring Light	MZ7-PK5-AN-U
w/ Fiber Optic Dual Pipe Light	MZ7-PK5-DPL-U

### MZ7-PK3 USB2.0 Systems

CF Articulating arm packages

#### Package Contents

- Micro Zoom body
- CF articulating arm
- Focus mount & adapter
- Your choice of lighting
- 0.5x video coupler
- USB2.0 camera w/ SCIENSCOPE software

Package	Part Number
w/ Fluorescent Ring Light	MZ7-PK3-FR-U
w/ Adjustable LED Ring Light	MZ7-PK3-LED-U
▶ w/ Fiber Optic Annular Ring Light	MZ7-PK3-AN-U
w/ Fiber Optic Dual Pipe Light	MZ7-PK3-DPL-U

### MZ7-PK2 USB2.0 Systems

Track stand packages

#### Package Contents

- Micro Zoom body
- Track stand
- Focus mount & adapter
- Your choice of lighting
- 0.5x video coupler
- USB2.0 camera w/ SCIENSCOPE software

Package	Part Number
▶ w/ Fluorescent Ring Light	MZ7-PK2-FR-U
w/ Adjustable LED Ring Light	MZ7-PK2-LED-U
w/ Fiber Optic Annular Ring Light	MZ7-PK2-AN-U
w/ Fiber Optic Dual Pipe Light	MZ7-PK2-DPL-U

## SXGA at 15 FPS

1280 X 1024 display resolution via USB 2.0 interface



### SCIENSCOPE USB 2.0 Camera

Connect directly to Microsoft Windows XP system using USB port. This camera comes with SCIENSCOPE image capturing software w/ basic measurement tools.

#### Camera Specifications

System Requirement	Microsoft Windows XP
Sensor Size	1/2", 1.3 Mega-Pixel color
Sensor Type	CMOS
Display resolution	1280 X 1024; 640 X 480; 352 X 288
Frame Rate	1280 X 1024 @ 15fps 640 X 480 @ 30fps
SN Ratio (dB)	60db
Exposure	manual/auto
Output	USB2.0
Pixel Size	5.2µm×5.2µm
Sensitivity	1.8V/lux-sec@550nm
Dimensions	52mm X 50mm X 55mm
Lens Mount	C/CS