

MZ7 Micro Zoom/XGA

High magnification video inspection system



High magnification

Up to 1000X magnification on maximum system configuration.

Built-in objective detents

Objective detents allows easy measurement for repeating magnification with clicks.

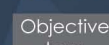
Built-in internal focus

Giving precise focus control under high magnification without the use of focus mount.



Connector @ 90X zoom factor.

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 XGA Systems

Dual arm boom stand packages

Package Contents

- Micro Zoom body
- Dual arm boom stand
- XGA camera
- Your choice of lighting
- 17" LCD monitor
- 0.5x video coupler
- Focus mount & adapter

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

MZ7-PK3 XGA Systems

CF Articulating arm packages

Package Contents

- Micro Zoom body
- CF articulating arm
- XGA camera
- Your choice of lighting
- 17" LCD monitor
- 0.5x video coupler
- Focus mount & adapter

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

MZ7-PK2 XGA Systems

Track stand packages

Package Contents

- Micro Zoom body
- Track Stand
- XGA camera
- Your choice of lighting
- 17" LCD monitor
- 0.5x video coupler
- Focus mount & adapter

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

XGA at 60 FPS

1024 X 768 display resolution for 17" Monitor



SCIENSCOPE XGA Camera

Included in all packages is the SCIENSCOPE XGA Camera which allows you to capture real-time video direct to any D-SUB (VGA) monitors at 60fps. This CCD is equipped with independent RGB controls allowing you to calibrate color output.

Camera Specifications

Sensor size	1/2"
Sensor type	CMOS
Display resolution	1024 x 768
Frame Rate	60fps
Output	D-sub 15 pin analog signal
Lens mount	C-Mount
Operating voltage	DC 5V
Dimensions	70mm x 52mm x 51mm