



3D LCD video microscope is a compact all-in-one design with integrated adjustable LED lighting, 8" LCD (10.4" option), laser pointer, and 35 degree oblique angle viewing adapter. The system can be configured with various stand options and X-Y measurement stage. It has both composite and s-video outputs which can be connected with USB capture device for image and video capture, or video measurement software. Various lens adapters are also available to increase and decrease magnifications, or to change working distance.

Stand Options:



Double Roller Stand



Pneumatic Arm Stand



Articulating Arm Clamp



Track Stand



Back Lighting Stand



XY Measurement Stage

Benefits:

- High resolution video for viewing and documentation
- Less eye fatigue
- 35 degree oblique angle viewing
- More Ergonomic
- Less neck stress
- Built in 8" or 10" LCD for viewing, discussion or training purpose
- Full motion real time video display
- Save images in jpg, bmp or tiff files for e-mail transmission
- Video Motion can be recorded
- Working distance for assembly or inspection application
- Wide zoom ratio 6.5:1 with constant focus
- Detent click stops for measurement applications
- Full LED lighting, laser pointer and white balance adjustments
- Measurement software and XY measurement stage options
- Stand alone image and video capture device options (NO computer needed)
- Different stand options
- Adjustable viewing angles
- Adjustable high intensity LED
- Fluorescent or halogen lighting options

Applications:

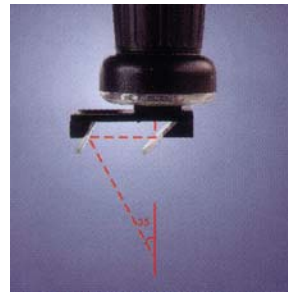
- Assembly
- Production
- Quality Control
- Failure Analysis
- Process Control
- Measurement
- SMT
- Electronics
- Medical Device
- Machining
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Detent Click Stops
35 Degree Viewer



35 Degree Viewing



Laser Pointer



Laser Pointer, LED Lighting
and White Balance Controls



Composite and S-video
Outputs

Accessories:



USB Capture Device



Real-Time Multiple Measurement Software



XY Stage



Computer



XY Measurement Stage



Portable Image and
Video Capture Device

Field of View and Magnification Chart

Auxiliary Lens	8" LCD Magnification	10.4" LCD Magnification	FOV mm (inch) D.	Working Distance
0.3x	3.6x~22.9x	4.6x~29.7x	57.1~8.9mm (2.25"-0.35")	331mm (13")
0.5x	5.9x~38.1x	7.7x~49.5x	34.3~5.3mm (1.35"-0.21")	198mm (7.8")
0.75x	8.9x~57.1x	11.6x~74.3x	22.8~3.6mm (0.90"-0.14")	131mm (5.2")
0.75x (35 degree)	8.9x~57.1x	11.6x~74.3x	22.8~3.6mm (0.90"-0.14")	52mm (2")
1.0x (Standard)	11.9x~76.2x	15.4x~99.1x	17.1~2.7mm (0.67"-0.11")	96mm (3.8")
1.5x	17.8x~114.3x	23.1x~148.6x	11.4~1.8mm (0.45"-0.071")	63mm (2.5")
2.0x	23.7x~152.4x	30.8x~198.1x	8.6~1.3mm (0.34"-0.051")	46mm (1.8")

Specifications subject to changes and E&O without notice and liabilities.

Specifications

Zoom Body	0.7x-4.5x with detent click stops
Zoom Ratio	1:6.5
White Balance	Manual
Lighting	LED ring light with adjustable brightness
Laser Pointer	5V, 650nm
LCD Resolution	640x480 (8" LCD) 1024x768 (10.4" LCD)
Viewing Angle	150 degree
Video Output	BNC Connector and S-Video
Power Supply	Universal
Body Size	76mm Scope Holder



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