



Product Name: 2D/3D Video Microscope with USB Output

Model: MSL3D-CAD1 OR CAD2

Features: High Definition. High Resolution, Real Time Measurement and Image Management, Quality Inspection or Research and Development, Need Computer, All Kinds of Optional Accessories .

3DM-02 Microscope features the quality optical system, low distortion, high resolution, flat and large field of view, high depth of field and superior parfocality. The novel design and one-up technology make it easy for operation.

The 2D/3D angle lens attachment is changed manually from two-dimensional image to three-dimensional. The microscope can realize 3D image effects for observing the components and deep holes. It remains the same superior resolution and the central position keeps consistent.

The 3D 36 degree rotary observation lens can achieve 95mm (Max) working distance, which is the highest level in the world so far. Digital and Analog video systems can meet the different users' demands. The 3DM-02 Microscope can be widely used in micro-electronics, precision electronic inspection and PCB solder testing industries.

USB Digital Microscope Application

Auto-focus for different digital and analog camera
 Compact, practical and cost-effective

HT-108 Zoom Microscope can be widely used in machine version, semi-conductor and micro-electronics inspection and solder testing industry.

The Zoom lens is designed with high resolution and clear image.

When the manual zoom with detents is used in measuring systems, the calibration of magnification is needed, and the pre-set stops are at 0.3X, 0.5X, 1X, 1.5X, 2.2X.

By selecting the appropriate objectives, different magnification, field of view and depth of field can be acquired.

USB Digital Microscope Specifications

Zoom Range: 0.3X-2.2X

Standard objective lens and coupler : 1x

Total Optical Magnification: 7x-300x(17.,CD)

Field of View: 3.5mm-50mm

Working Distance: 46mm-95mm, 95mm is standard working distance.

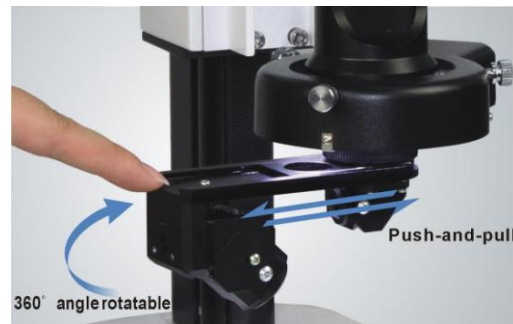
Optional Objective Lenses: 0.5X, 0.8X and 2.0X(no work with 2D/ 3D Rotary Observation lens attachment)

Plan achromatic design, outside dia. 30mm, fo HT Series Micro Zoom Lens.

Zoom lens body OD:

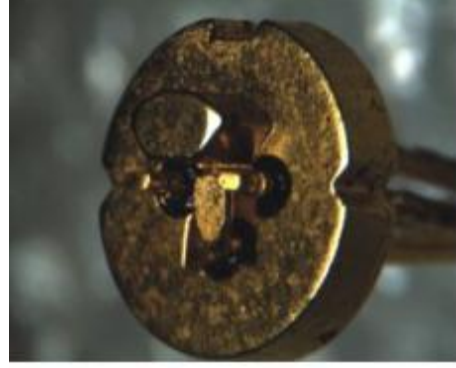
Objective lens	0.5X	1X	2X
N.A.	0.0058-0.041	0.012-0.08	0.014-0.1
Res.(lp/mm)	17.3-122	35.8-238	41-298
MAG.	0.16X-1.13X	0.32X-2.27X	0.65X-4.55X
D.O.F.(mm)	16.3-0.33	6-0.086	2.8-0.055
W.D.(mm)	190	95	45.6
F.O.V.(mm) 1/2"	50-7	25-3.5	12.3-1.8

2D/3D Angle Changer





2D



3D

Rotary Observation :36 degree Angle 3D Attachm-ent for a 1X Objective Lens (Standard)
Depth of field: 6mm
W.B: Manual
W.D: 95mm(Long working distance)
Change 2D to 3D image
Same working distance ,superior resolution
Consistent centre position

3DM--02-USB Configurations:



HT-108 Zoom Microscope Body,Video Couplers: 1x



2D/3D angle lens attachment, 1x objective lens



White track Stand

Digital HD System(high speed and resolution): 1/3" CMOS, 30f/s, 3.0megapixels, cross line functions

Image Output: USB2.0 high-speed transmission interface, supporting process image capture and measuring on a PC ,the english interface available with VMS3.0 Measurement software as optional.



HA-RL48 Black LED light



Black Suitcase