

DS-3 SERIES

"For quality inspection, for research and development, and at the manufacturing site. The Ultimate in Cost Performance" DS-3 series comes in TV & PC models, DS-3P series for TV & DS-3UX series for PC.

Model	Magnifications
⇒ DS-3P & DS-3UX-III	1x to 220x
⇒ DS-3PL & DS-3UXL-III (Long working distance)	1x to 120x

Highlights in DS-3 series:

- ➔ **High Resolution** - Image can be displayed up to a resolution of 1600 x 1280 for PC models at 10 frame per sec & 410,000 pixels for TV models.
- ➔ **Light and portable** (comes with a stylish carry case).
- ➔ **Comes with the Micro Scale software** which enable to do **simple measurements** and **brightness and contrast adjustments**.
- ➔ **White LED lighting** which have a longer lamp life up to 12,000 hours continuously running.
- ➔ **Iris Diaphragm adjustment** and also **Adjustable Controller for the LED Light** only for DS-3UX-III series .
- ➔ **Image displayed on a PC screen** and can be saved under JPEG or BMP for PC model.
- ➔ **Require no battery.** (For PC model) Power source is from the PC/laptop interface using USB wire.



TV TYPE (PAL SYSTEM)

Video Microscope

MODEL NAME	DS-3P	DS-3PL	DS-3PSL
Interface	TV	TV	TV
Camera	Color CCD	Color CCD	Color CCD
PC Resolution	410,000 pixels	410,000 pixels	410,000 pixels
Magnification	up to 450x	up to 230x	up to 120x

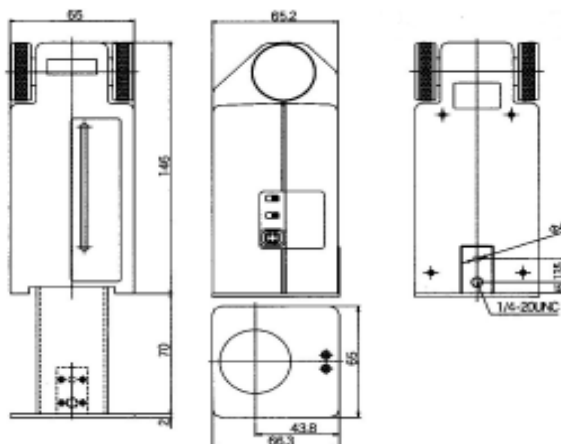
Specifications

Magnification	Working Distance			Field of View (mm)	Focus Depth (mm)
20x	50	110	180	13 x 10	4
50x	20	51	85	5.2 x 4	1.50
100x	11	33	49	2.6 x 2	0.45
200x	5.5	23	-	1.3 x 1	0.20
300x	3.5	-	-	0.87 x 0.67	0.10
450x	2	-	-	0.55 x 0.4	0.05

PC TYPE

Model	DS-3UX-III	DS-3UXL-III
Magnification	1x ~ 220x	1x ~ 120x
Visual Range Indication (mm)	Working Distance (mm)	
25 x 33	-	132
10 x 13	30	-
7 x 9.3	-	42
4 x 5.3	11.5	27
3 x 4	-	22.5
2.5 x 3.3	6.5	19.5
2 x 2.7	5	17
1.7 x 2.3	4	-
1.5 x 2	3.5	-
1.3 x 1.7	2.5	-

Dimensions



Optional Accessories - Stand



There are 2 knobs for moving the X-Y Stage, in the Z direction there are also 2 knobs. One for coarse focussing and the other for fine focussing. It is useful in observing objects when the specimen is very near to the microscope especially at high magnification. Also useful in observing small objects that are hard to maneuver.



Convenient for viewing images up to A4 size. Then stage can be moved manually.



X-Y Travel stroke of 25mm with a 1 μ m resolution display.

Measurement Method:-

Align your parts perpendicular to the crosshair that is shown on the P.C. Set the micrometer head to zero and start to rotate the micrometer head. Rotate to your desired position and you will get your results on the micrometer head.



Take good side view of an object by attaching to an universal magnetic stand.