

INDUSTRY VIDEO MICROSCOPES

TDE



TDE Three-dimensional Explorer Microscope

Use 360° all-direction microscopes obtain much big depth of field, three-dimensional many-sided

Zoom , multi- angles observation

Joint agile, control convenience

LED light source, three- dimensional image in focus

Big depth of field, high resolution ratio (need digital video camera support)

Precise quantity measure function (need computer support)

0.65X- 4.5X three- dimensional microscope body

45° / 55° observe module group

Light source and electric motor control

Color display (select and match)

Three- dimensional image measure software (need computer stand by) It can be used extensively in surface board of SMT, PCB, BGA etc.

**XDL45BS**



**Configuration:**

| Item                      | Standard                                       | XDL45BS-B3 |
|---------------------------|--|------------|
| Viewing head              | Trinocular head of articulated type            | *          |
| Zoom body                 | 0.7X- 4.5X                                     | *          |
| eyepiece                  | WF10X/18mm (with eyepiece cover)               | *          |
| Objective                 | 1X   | *          |
| CCD eyepiece              | 0.5X   | *          |
| AM35 Camera               | AV output                                      | *          |
| 8" LCD display screen     | AV input/VGA input, with cross, Multi-Language | *          |
| illumination              | LED ring lamp, adjustable brightness           | *          |
| LCD display screen stents | 360° adjustable                                | *          |
| Mobile stage              | Stage size: 135X175mm                          | ○          |
| Stand                     | Base size: 325(L)X265(W)X290(H)mm              | *          |
|                           | Mounting holes size for focus arm              | *          |

**Optical Data:**

| Objective | CCD eyepiece        |              |                      |             | eyepiece |
|-----------|---------------------|--------------|----------------------|-------------|----------|
|           | 0.5X                |              |                      |             |          |
| 0.5X      | Video Magnification | 5.9X-38.1X   | visual Magnification | 3.5X-22.5X  | 10x      |
|           | Field of video(mm)  | Φ34.3-Φ5.3   | Field of visual      | Φ51.4-Φ8    |          |
|           | Work distance(mm)   | 198          |                      |             |          |
| 0.75X     | Video Magnification | 8.9X-57.2X   | visual Magnification | 5.3X-33.8X  |          |
|           | Field of video(mm)  | Φ22.9-Φ3.6   | Field of visual      | Φ34.2-Φ5.3  |          |
|           | Work distance(mm)   | 131          |                      |             |          |
| 1X        | Video Magnification | 11.9X-76.2X  | visual Magnification | 7X-45X      |          |
|           | Field of video(mm)  | Φ17.1-Φ2.7   | Field of visual      | Φ25.7-Φ4    |          |
|           | Work distance(mm)   | 96           |                      |             |          |
| 1.5X      | Video Magnification | 17.8X-114.3X | visual Magnification | 10.5X-67.5X |          |

|    |                     |              |                      |            |  |
|----|---------------------|--------------|----------------------|------------|--|
|    | Field of video(mm)  | Φ11.4-Φ1.8   | Field of visual      | Φ17.1-Φ2.7 |  |
|    | Work distance(mm)   | 63           |                      |            |  |
| 2X | Video Magnification | 23.7X-152.4X | visual Magnification | 14X-90X    |  |
|    | Field of video(mm)  | Φ8.6-Φ1.3    | Field of visual      | Φ12.9-Φ2   |  |
|    | Work distance(mm)   | 46           |                      |            |  |