



| 12.5× Zoom Lens Parameter |                 |                                                            |        |        |        |        |        |        |       |        |        |        |        |        |        |        |
|---------------------------|-----------------|------------------------------------------------------------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| Number                    |                 | Motorised zoom lens                                        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |
| Magnification             |                 | 0.58×~7.5×                                                 |        |        |        |        |        |        |       |        |        |        |        |        |        |        |
| Working Distance          |                 | 77.4±2mm                                                   |        |        |        |        |        |        |       |        |        |        |        |        |        |        |
| Optical Magnification     |                 | 0.58×                                                      | 0.6×   | 1.0×   | 1.5×   | 2.0×   | 2.5×   | 3.0×   | 3.5×  | 4.0×   | 4.5×   | 5.0×   | 5.5×   | 6×     | 6.5×   | 7.5×   |
| DOF(mm)                   |                 | 2.75                                                       | 2.67   | 0.95   | 0.43   | 0.27   | 0.2    | 0.15   | 0.12  | 0.1    | 0.081  | 0.073  | 0.066  | 0.061  | 0.056  | 0.05   |
| N.A.                      |                 | 0.025                                                      | 0.025  | 0.043  | 0.063  | 0.074  | 0.082  | 0.09   | 0.097 | 0.1    | 0.11   | 0.11   | 0.11   | 0.11   | 0.11   | 0.11   |
| F.No.                     |                 | 12.5                                                       | 12.5   | 11.85  | 11.95  | 13.65  | 15.3   | 16.5   | 18.4  | 19.9   | 20.4   | 22.45  | 22.7   | 26.8   | 29.4   | 33.9   |
| Resolution(μm)            |                 | 13                                                         | 13     | 7.8    | 5.3    | 4.53   | 4.09   | 3.73   | 3.46  | 3.36   | 3.05   | 3.05   | 3.05   | 3.05   | 3.05   | 3.05   |
| TV Distortion             |                 | 0.050%                                                     | 0.050% | 0.002% | 0.010% | 0.020% | 0.003% | 0.020% | 0.20% | 0.018% | 0.020% | 0.010% | 0.010% | 0.001% | 0.010% | 0.005% |
| FOV(mm)<br>D×H×V          | Diagonally      | 18.97                                                      | 18.33  | 11.00  | 7.33   | 5.50   | 4.40   | 3.67   | 3.14  | 2.75   | 2.44   | 2.20   | 2.00   | 1.83   | 1.69   | 1.47   |
|                           | Horizontal Line | 15.17                                                      | 14.67  | 8.80   | 5.87   | 4.40   | 3.52   | 2.93   | 2.51  | 2.20   | 1.96   | 1.76   | 1.60   | 1.47   | 1.35   | 1.17   |
|                           | Vertical Line   | 11.38                                                      | 11.00  | 6.60   | 4.40   | 3.30   | 2.64   | 2.20   | 1.89  | 1.65   | 1.47   | 1.32   | 1.20   | 1.10   | 1.02   | 0.88   |
| Max. Sensor Size          |                 | 2/3"                                                       |        |        |        |        |        |        |       |        |        |        |        |        |        |        |
| Mount                     |                 | C-Mount                                                    |        |        |        |        |        |        |       |        |        |        |        |        |        |        |
| Mode of zoom              |                 | Motorised Zoom                                             |        |        |        |        |        |        |       |        |        |        |        |        |        |        |
| Focus Adjustment          |                 | /                                                          |        |        |        |        |        |        |       |        |        |        |        |        |        |        |
| Operating Environment     |                 | Temperature-10°C~+50°C; Humidity: 30-80% (no Condensation) |        |        |        |        |        |        |       |        |        |        |        |        |        |        |

PRODUCT ADVANTAGES

- Professional optical design, optical magnification 0.58×-7.5×, magnification ratio 12.5:1.
- Big FOV application, based on 2/3" camera.
- Compact structure, easy to assemble and install.

CONTROLLER BOX

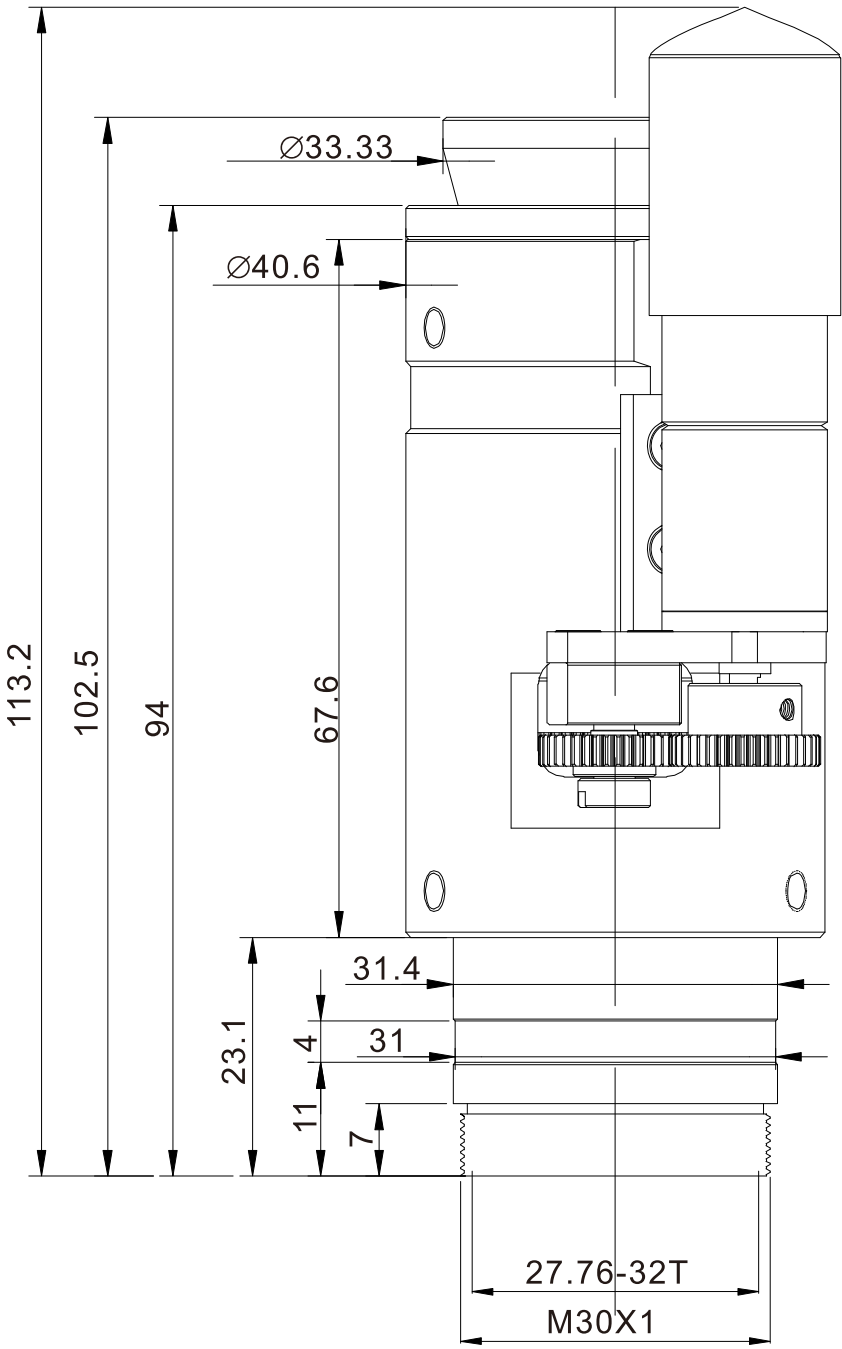
The integrated motorized control system is suitable for all of these zoom lenses. The motorized control system can control single or dual shafts via RS232 or USB. The underlying software code for the OEM platform will also be provided.

APPLICATION FIELDS

It can be used in semiconductor, automation, electronic communication and other industries.

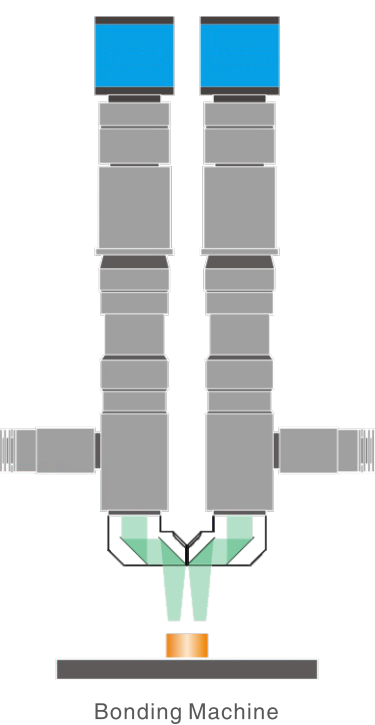
Dimension Drawing

Unit:mm



Product Cases

EXAMPLES OF APPLICATION



Bonding Machine

ACTUAL IMAGE

