

6:1 Macro Video Zoom Lens

The 6:1 Macro Zoom Lens is designed to be attached directly to C-Mount cameras. With optional 'click stop' detents, this objective is now usable for measuring task applications which require variable fields of view over large areas. This unique objective includes a special „close up“ lens that allows to cover a field of view from 4.3 to 400 mm.

Applications include automation with robots and image processing, inspections on production lines and in the packaging. The high magnification and long working distance is ideal for visualization of defects in the repair of SMD components. A machine integration is also possible.

Benefits

- Macro and micro imaging with one lens
- Click stops allow repeatable measurements
- Parfocal 6:1 zoom range

Applications & Markets

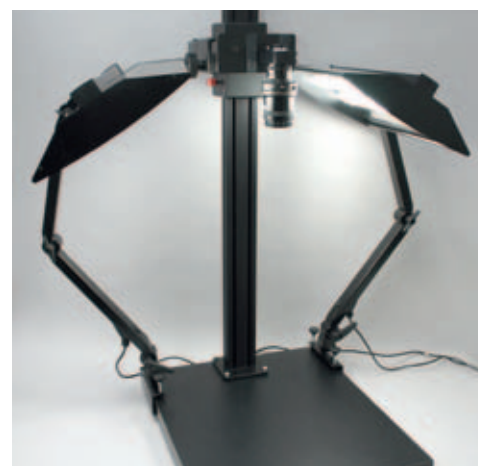
- Measurements of mechanical parts in quality labs and machining
- In-line Macro Imaging with reliable magnification settings for quick adjustments to changing objects
- Flexible documentation of changing samples in forensics and museums
- AOI applications for quality control in electronics manufacturing



Macro and Micro imaging combined in one lens - detents for repeatable measurements



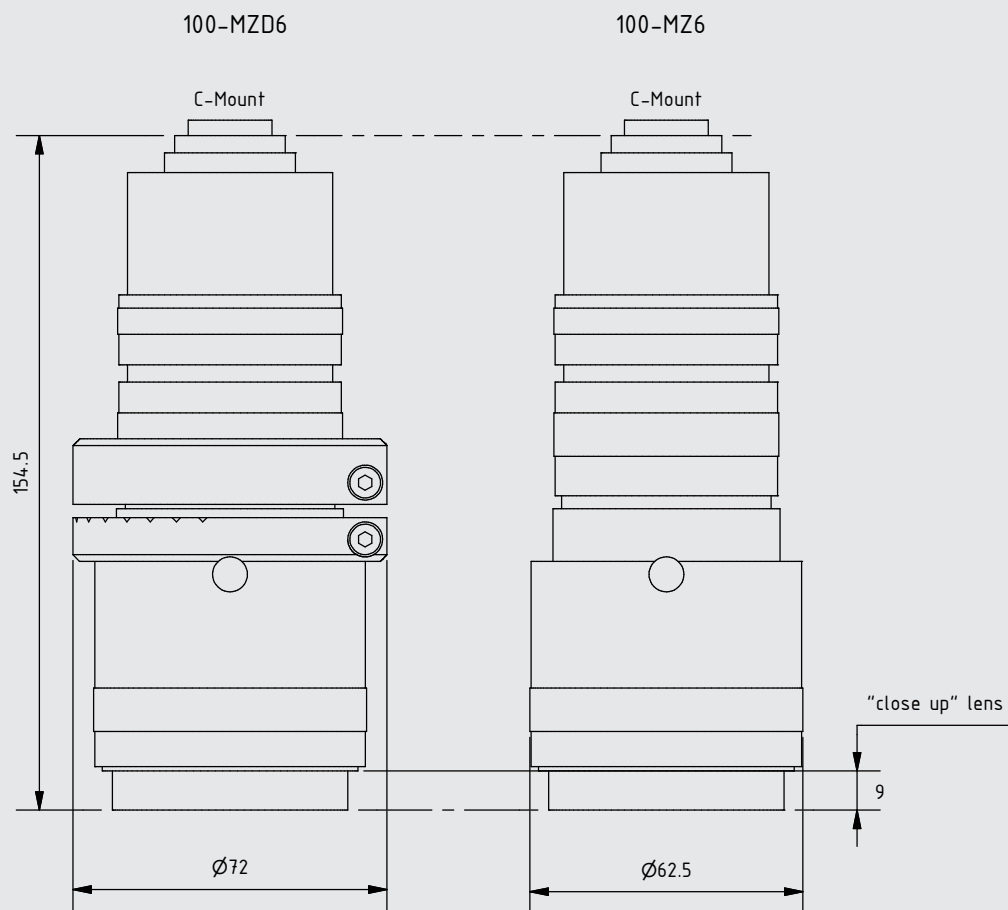
Compact setup for biomedical samples with transmitted light base



Variable lens perfect for documentation of big samples with incident illumination

Art. No.	Type	Zoom	Focus	Iris	Mount	Focal length	F-No.	Max. chip
100-MZ6	6:1 Macro Video Zoom Lens	Manual	Manual, lockable	Manual	C-Mount	18-108 mm	2.5 - closed	2/3"
100-MZD6	Detended 6:1 Macro Video Zoom Lens	Manual, 10 click stop positions	Manual, lockable	Manual	C-Mount	18-108 mm	2.5 - closed	2/3"

	Mag.	W.D.	FoV 1/3" [mm]	FoV 1/2" [mm]	FoV 1/1.8" [mm]	FoV 2/3" [mm]
With closeup lens	0.17 x - 1.0 x	140 - 280 mm	4.3 x 3.2 - 72 x 54	5.7 x 4.3 - 96 x 72	6.4 x 4.8 - 106 x 80	8 x 6 - 133 x 100
Without close up lens	0.066 x - 0.4 x	280 - ∞ mm	10.2 x 7.5 - 298 x 224	14 x 10 - 398 x 299	15.2 x 11.2 - 442 x 332	19 x 14 - 553 x 415



Filter Thread:
 $\varnothing 52$ mm, P = 0.75

Accessories



043-640052
 Clamp for Macro Video Zoom Lens on Column 25 mm, distance of column axis and optical axis 110 mm



043-640053
 Clamp for Macro Video Zoom Lens with 1/4" internal thread, distance between back of clamp and optical axis is 65 mm



045-300179
 Lever Set for Macro Video Zoom Lens
 For easy change of zoom and focus
 Not applicable with 100-MZD6