C-mount Type

# FVL65mm series

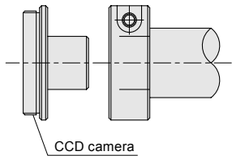
## Coaxial illumination tube / Straight tube

WD=65mm Telecentric bonder lens. High-resolution, low distortion lens that is suitable for image processing systems. The lens uses a new C-mount adapter that allows total adjustment of camera orientation. Choose from a variety of illumination port styles and magnifications.

NEW DESIGN

### C-Mount adapter

Camera orientation adjustable.

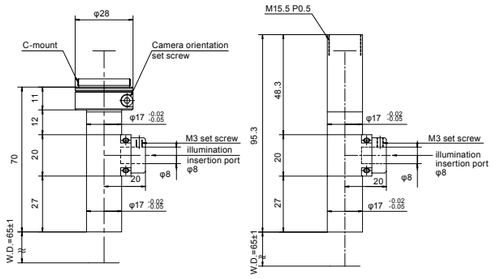



### Compatible for C-mount and φ17 camera mount

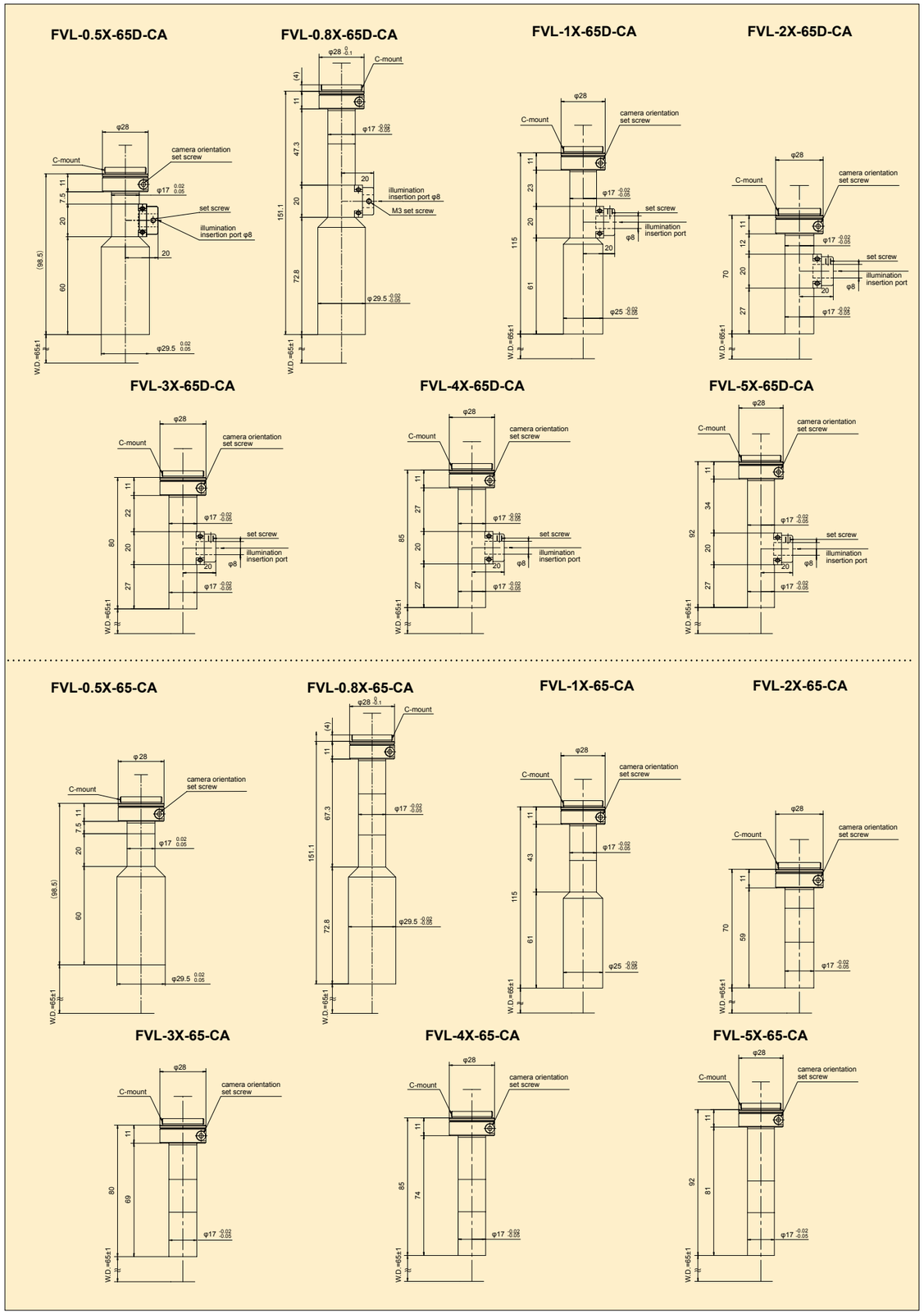
This FVL series is also available for φ17 camera mount (M15.5 P0.5 mount) in our standard lineup.
If you need C-mount type, please add "CA" at the end of the model number and for φ17 mount type please add "M15.5".

( Tube length is 25.3mm long for all M15.5 type. Please refer to the drawing.
Magnification, WD, resolution and other optical performance specification is the same as for C-mount type. )

**Example) FVL-2X-65D**




FVL-2X-65D-CA FVL-2X-65D-M15.5

### ■Specification

| Model | | FVL-0.5×-65D-CA | FVL-0.8×-65D-CA | FVL-1×-65D-CA | FVL-2×-65D-CA | FVL-3×-65D-CA | FVL-4×-65D-CA | FVL-5×-65D-CA |
|---|---|---|---|---|---|---|---|---|
| | Straight | FVL-0.5×-65-CA | FVL-0.8×-65-CA | FVL-1×-65-CA | FVL-2×-65-CA | FVL-3×-65-CA | FVL-4×-65-CA | FVL-5×-65-CA |
| Magnification | | 0.5× | 0.8× | 1.0× | 2.0× | 3.0× | 4.0× | 5.0× |
| Working distance | | 65mm | | | | | | |
| Focal depth | | 1.7mm | 1.3mm | 920μm | 326μm | 197μm | 131μm | 97μm |
| Distortion | | 0.02% or less | 0.2% or less | 0.1% or less | 0.1% or less | 0.1% or less | 0.1% or less | 0.1% or less |
| Resolution LP/mm | | 125LP/mm | 120LP/mm | 120LP/mm | 178LP/mm | 208LP/mm | 238LP/mm | 238LP/mm |
| Resolution power | | 8.0μm | 8.3μm | 8.3μm | 5.6μm | 4.8μm | 4.2μm | 4.2μm |
| N.A | | 0.046 | 0.04 | 0.04 | 0.06 | 0.07 | 0.08 | 0.08 |
| F number | | 5.4 | 10.1 | 11.5 | 16.3 | 22.2 | 26.2 | 30.2 |
| Camera mount | | C-MOUNT | | | | | | |
| Equivalent CCD | | under 1/2 inch camera | under 2/3 inch camera | | | | | |
| Weight | Coaxial | 100g | 112g | 82g | 48g | 50g | 54g | 58g |
| | Straight | 94g | 106g | 76g | 42g | 44g | 48g | 52g |