

C-mount Type

# FVL120mm series

## Coaxial illumination tube / Straight tube

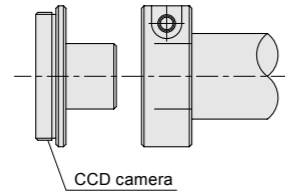
WD=120mm Telecentric bonder lens. High-resolution, low-distortion lens that is suitable for image processing systems. The lens uses a new C-mount adapter that allows total adjustment of camera orientation. Choose from a variety of illumination port styles and magnifications.



NEW DESIGN

### C-Mount adapter

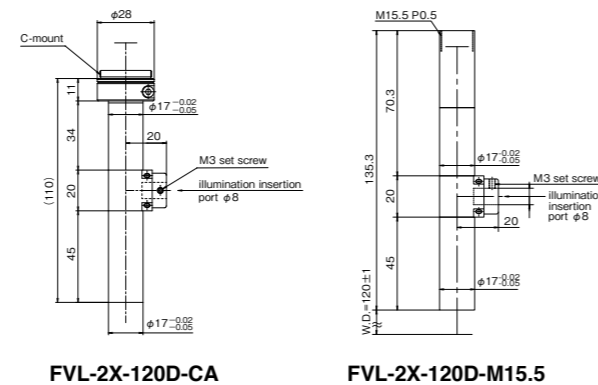
Camera orientation adjustable.



### 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 )



### Specification

Model	Coaxial	FVL-0.5X-120D-CA	FVL-0.75X-120D-CA	FVL-1X-120D-CA	FVL-2X-120D-CA	FVL-3X-120D-CA	FVL-4X-120D-CA	FVL-5X-120D-CA	FVL-6X-120D-CA	
	Straight	FVL-0.5X-120-CA	FVL-0.75X-120-CA	FVL-1X-120-CA	FVL-2X-120-CA	FVL-3X-120-CA	FVL-4X-120-CA	FVL-5X-120-CA	FVL-6X-120-CA	
Magnification		0.5X	0.75X	1.0X	2.0X	3.0X	4.0X	5.0X	6.0X	
Working distance		120mm								
Focal depth		3.0mm	1.9mm	1.3mm	650μm	323μm	220μm	168μm	138μm	
Distortion		0.1% or less	0.1% or less	0.1% 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		80LP/mm	85LP/mm	91LP/mm	107LP/mm	120LP/mm	128LP/mm	135LP/mm	142LP/mm	
Resolution power		12.5μm	11.8μm	11.0μm	9.3μm	8.3μm	7.8μm	7.4μm	7.0μm	
N.A		0.027	0.028	0.030	0.036	0.040	0.043	0.045	0.048	
F number		9.3	13.3	16.7	32.5	36.3	43.9	52.4	62.2	
Camera mount		C-MOUNT								
Equivalent CCD		under 2/3 inch camera								
Weight	Coaxial	198g	124g	105g	66g	58g	66g	67g	75g	
	Straight	192g	118g	99g	60g	52g	60g	61g	70g	

