

C-mount Type

# FVL 120mm series

## Coaxial illumination tube / Straight tube

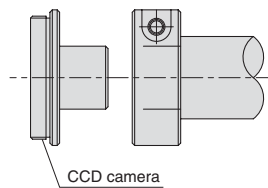
WD=120mm Telecentric bonder lens. This lens is a high-resolution, low-distortion lens that is suitable for image processing systems. This lens uses a new C-mount adapter that allows total adjustment of camera orientation. Choose from a variety of illumination port styles and magnifications.



NEW DESIGN

### C-Mount adapter

Camera orientation adjustable.

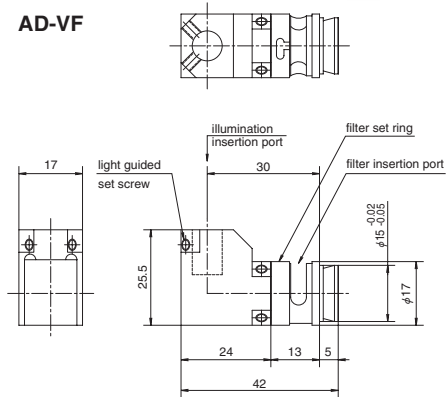


### [VF adapter]

Right angle adapter for vertical illumination.



### AD-VF

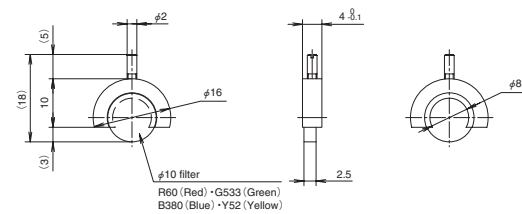


### [Filter holder for AD-VF]

Filter holder specialized for AD-VF adapter. Please choose from R60, G533, B410 or Y48. For transmission data, please refer to page 30. Other filters are also available.



F10-R60 F10-G533 F10-B410 F10-Y48



### ■ Specification

model	Coaxial	FVL-0.5X-120D-C	FVL-0.75X-120D-C	FVL-1X-120D-C	FVL-2X-120D-C	FVL-3X-120D-C	FVL-4X-120D-C	FVL-5X-120D-C	FVL-6X-120D-C	
	Straight	FVL-0.5X-120-C	FVL-0.75X-120-C	FVL-1X-120-C	FVL-2X-120-C	FVL-3X-120-C	FVL-4X-120-C	FVL-5X-120-C	FVL-6X-120-C	
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%	> 0.1%	> 0.1%	> 0.1%	> 0.1%	> 0.1%	> 0.1%	> 0.1%	
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	236g	166g	146g	98g	96g	98g	104g	108g	
	Straight	226g	158g	138g	90g	86g	90g	98g	100g	

