

FVL 120mm



FVL 120mm Series

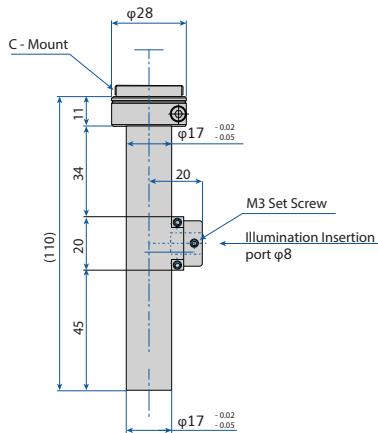
This series of telecentric bonder lens have a WD of 120mm. They are suitable for image processing systems because of their, high-resolution, low-distortion lens.

The lens use a C - Mount adapter that allows total adjustment of the camera orientation. There are a variety of illumination port styles and magnifications to choose from.

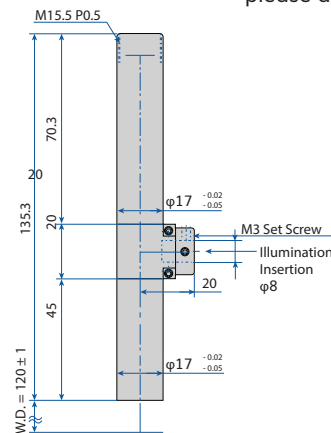
Compatible for C - Mount and $\phi 17$ camera mount

This FVL series is also available for $\phi 17$ 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 $\phi 17$ mounttype, please add "M15.5".

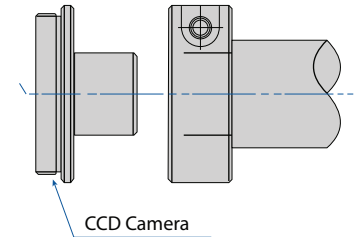
The tube length is 25.3mm long for all M15.5 types. Please refer to the drawing. All performance specification is the same as for C - Mount types.



FVL - 2X - 120D - CA



FVL - 2X - 120D - M15.5



C - Mount Adapter
Camera orientation
is adjustable

Specifications

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	650 μ m	323 μ m	220 μ m	168 μ m	138 μ m	
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		80 LP/mm	85 LP/mm	91LP/mm	107LP/mm	120 LP/mm	128 LP/mm	135 LP/mm	142 LP/mm	
Resolution Power		12.5 μ m	11.8 μ m	11.0 μ m	9.3 μ m	8.3 μ m	7.8 μ m	7.4 μ m	7.0 μ m	
N.A.		0.027	0.028	0.030	0.036	0.040	0.043	0.045	0.048	
F Number		93	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								
Model	Coaxial	198g	124g	105g	66g	58g	66g	67g	75g	
	Straight	192g	118g	99g	60g	52g	60g	61g	70g	

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