

C-mount Type

FVL120mm series

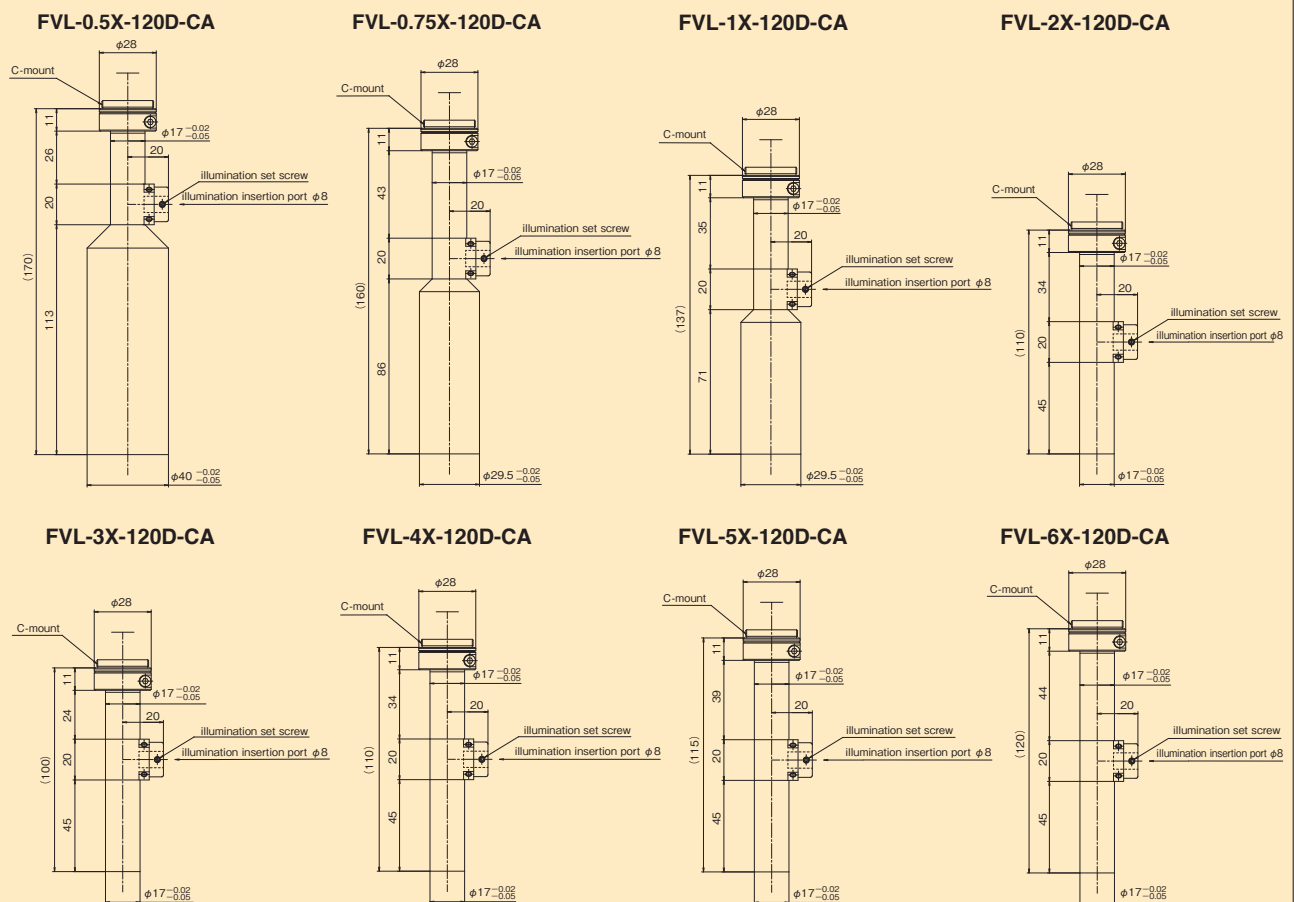
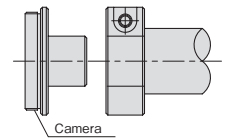
Coaxial illumination tube / Straight tube

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.



Split clamp C-mount type

Split clamp tightening method is adopted for easier camera orientation setting.



■ Specification

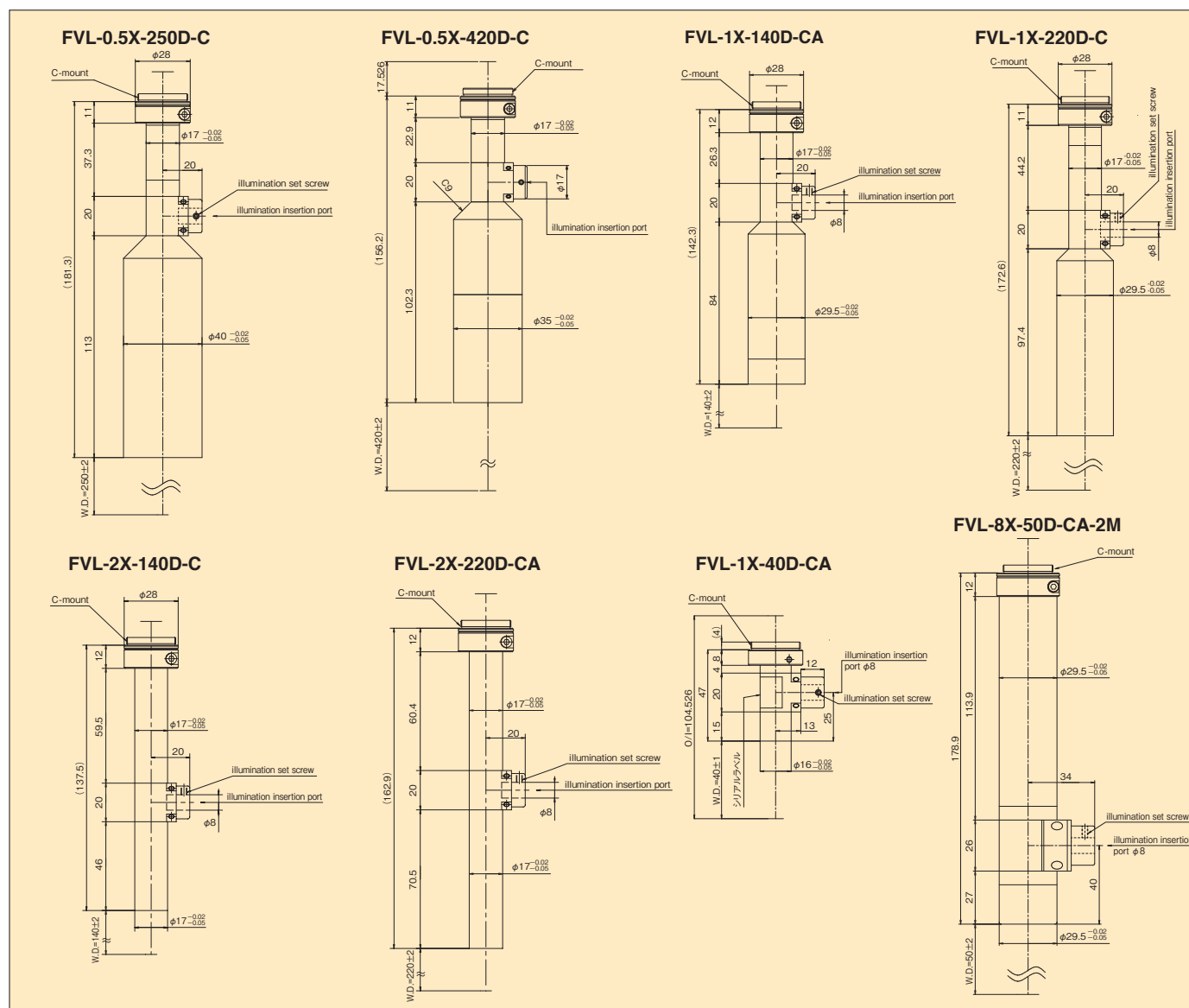
Model #	Coaxial	FVL-0.5X-120D-CA	FVL-0.75X-120D-CA	FVL-1X-120D-CA	FVL-2X-120D-CA	FVL-3X-120D-CA	FVL-4X-120D-CA	FVL-5X-120D-CA	FVL-6X-120D-CA
	Straight	FVL-0.5X-120-CA	FVL-0.75X-120-CA	FVL-1X-120-CA	FVL-2X-120-CA	FVL-3X-120-CA	FVL-4X-120-CA	FVL-5X-120-CA	FVL-6X-120-CA
Magnification		0.5X	0.75X	1X	2X	3X	4X	5X	6X
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		Less than 0.1%	Less than 0.1%	Less than 0.1%	Less than 0.1%	Less than 0.1%	Less than 0.1%	Less than 0.1%	Less than 0.1%
Resolution LP/mm		80LP/mm	85LP/mm	91LP/mm	107LP/mm	120LP/mm	128LP/mm	135LP/mm	142LP/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		9.3	13.3	16.7	32.5	36.3	43.9	52.4	62.2
Camera mount		C-MOUNT							
Equivalent sensor		Under 2/3 inch camera							
Weight	Coaxial	198g	124g	105g	66g	58g	66g	67g	75g
	Straight	192g	118g	99g	60g	52g	60g	61g	70g

C-mount Type

FVL Custom series

Coaxial type

Various lengths of WD models other than Standard WD(65mm, 120mm) are available. We accept custom design from 1pc. Please contact us.



Specification

Model#	FVL-0.5X-250D-C	FVL-0.5X-420D-C	FVL-1X-140D-CA	FVL-1X-220D-C	FVL-2X-140D-C	FVL-2X-220D-CA	FVL-1X-40D-CA	FVL-8X-50D-CA-2M
Magnification	0.5X	0.5X	1X	1X	2X	2X	1X	8X
Working distance	250mm	420mm	140mm	220mm	140mm	220mm	40mm	50mm
Focal depth	3.6mm	5.9mm	1.3mm	1mm	642 μ m	1.1mm	864 μ m	50 μ m
Distortion	0.3% or less	0.2% or less	0.2% or less	0.5% or less	0.2% or less	0.2% or less	0.08% or less	0.2% or less
Resolution LP/mm	58LP/mm	40LP/mm	91LP/mm	119LP/mm	95LP/mm	56LP/mm	128LP/mm	277LP/mm
Resolution power	17 μ m	25 μ m	11.0 μ m	8.4 μ m	10.5 μ m	17.7 μ m	7.8 μ m	3.6 μ m
N.A.	0.0223	0.014	0.03	0.04	0.032	0.019	0.046	0.111
F number	11.2	18.5	16.6	12.5	32.1	53.6	10.8	39.74
Camera mount	C-mount							
Equivalent sensor	under 1/2 inch camera		under 2/3 inch camera		under 1/2 inch camera		under 2/3 inch camera	