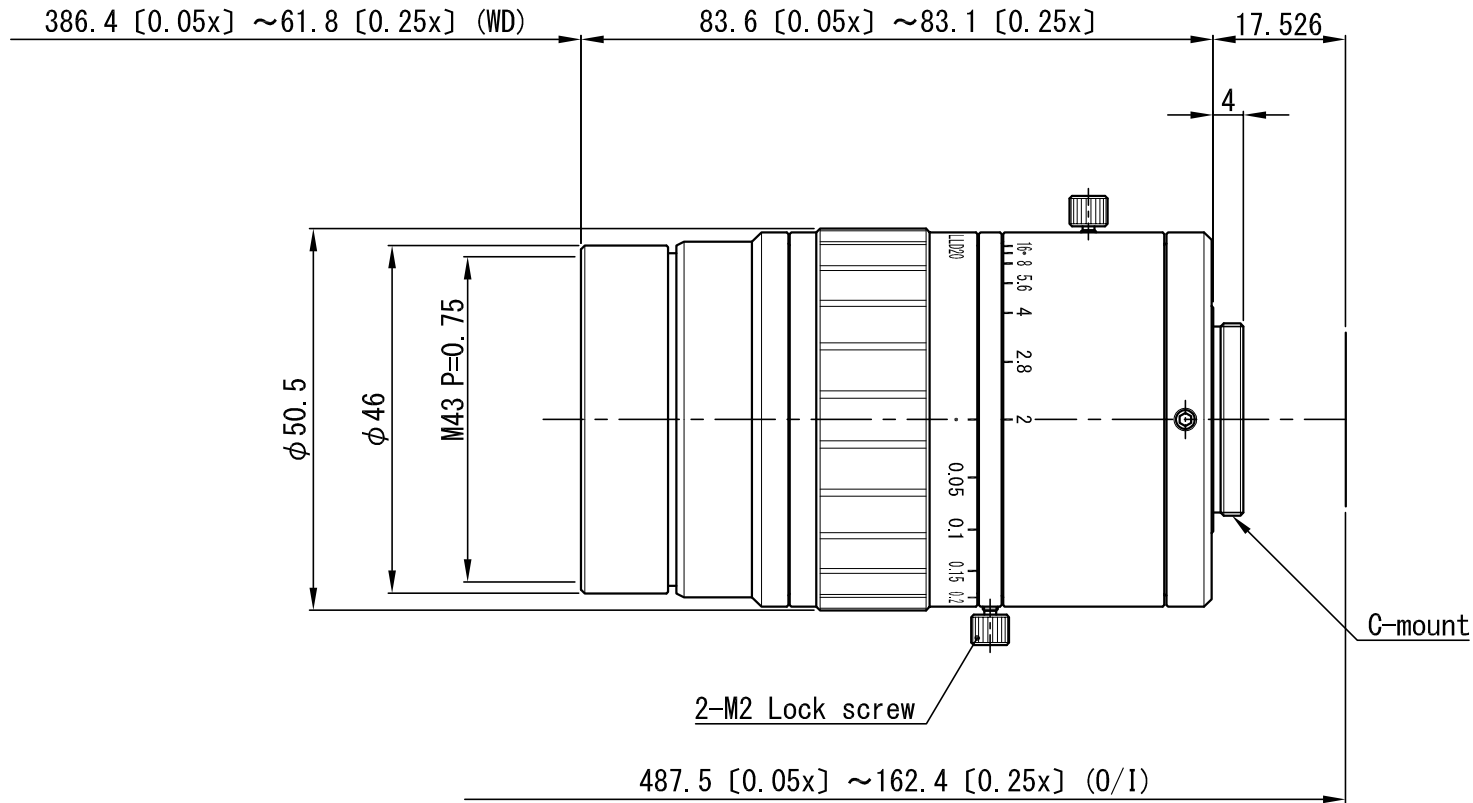


## 4/3" Distortionless Macro Lens

Model		VS-LLD20		
Focal Length(f)		20 mm		
Maximum Aperture Ratio		1: 2.0		
Optical Mag. Range		( $\infty$ ) $\times$ 0.05 $\sim$ $\times$ 0.25		
Optical Mag.		$\times$ 0.05	$\times$ 0.15	$\times$ 0.25
FOV (V x H)	4/3"	272.0 $\times$ 362.0 mm	90.7 $\times$ 120.7 mm	54.4 $\times$ 72.4 mm
	1"	225.2 $\times$ 225.2 mm	75.1 $\times$ 75.1 mm	45.0 $\times$ 45.0 mm
	2/3"	142.0 $\times$ 168.0 mm	47.3 $\times$ 56.0 mm	28.4 $\times$ 33.6 mm
WD		386.4 mm	115.4 mm	61.8 mm
O/I (Object & Imager Distance)		487.5 mm	216.1 mm	162.4 mm
Working F/# *Value at Iris Open		2.1	2.2	2.3
TV Distortion (4/3")		-0.10 %	-0.22 %	-0.30 %
Operation		Manual (Lock Screw M2)		
Wavelength		Visible		
Mount		C-Mount		
Flange Back		17.526 mm		
Sensor Size (max.)		4/3"		
Filter Thread		M 43 P= 0.75		
Weight (approx.)		310 g		
Dimension		$\phi$ 50.5 (max.) $\times$ L = 83.6 (X0.05) $\sim$ 83.1 (X0.25) mm		



△				APPROVED	CHECKED	MATERIAL 材料	-	CHAMFER 一般面取	-	QUANTITY 个数	
△				T. A.	T. A.	TREATMENT 処理	-	FINISHING 仕上	-	-	
△						TREATMENT CONTACT 処理接点	-	DECENTRATION 偏芯	-		
△				DESIGNED	DRAWN	OVER 250 UP TO 1000	±0.3 ±0.5 ±1.0 ±0.2	ANGLE 角度	METHOD 図法	REMARK 適用 (機種名)	
△				T. A.	T. T.	OVER 63 UP TO 250	±0.2 ±0.3 ±0.6 ±0.15	-		VS - L L D 2 0	
△						OVER 16 UP TO 63	±0.1 ±0.2 ±0.4 ±0.1				SCALE
	DATE	EXCH NO.	REVISION 変更記事			TOLERANCES	A B C S	DATE	' 13. 11. 06	DRAW NO.	0   D   L   D   0   0   2   5   A   1