

## Distortionless Macro Lens

Model		VS-LDA4			
Focal Length(f)		4 mm (4.14)			
Maximum Aperture Ratio		1: 2.0			
Optical Mag. Range		( $\infty$ ) $\times$ 0.01 $\sim$ $\times$ 0.04			
Optical Mag.		$\times$ 0.01	$\times$ 0.016	$\times$ 0.03	$\times$ 0.04
FOV (V x H)	2/3"	-			
	1/2"	480.0 $\times$ 640.0	300.0 $\times$ 400.0	160.0 $\times$ 213.3	120.0 $\times$ 160.0
	1/3"	360.0 $\times$ 480.0	225.0 $\times$ 300.0	120.0 $\times$ 160.0	90.0 $\times$ 120.0
WD		403.2 mm	247.9 mm	127.2 mm	92.7 mm
O/I (Object & Imager distance)		449.7 mm	294.5 mm	173.9 mm	139.4 mm
Working F/# *Value at Iris open		2.1	2.1	2.1	2.1
DOF at PCoC $\phi$ 0.04mm		1680.0 mm	656.3 mm	186.7 mm	105.0 mm
TV Distortion (1/2")		-0.23 %	-0.23 %	-0.24 %	-0.24 %
Wavelength		Visible			
Mount		C-Mount			
Flange Back		17.526 mm			
Sensor Size (max.)		1/2"			
Filter Thread		M 27 P= 0.5			
Weight (approx.)		76 g			
Dimension		$\phi$ 29.5 (max.) $\times$ L = 29.0 ( $\times$ 0.01) $\sim$ 29.2 ( $\times$ 0.04) mm			