

*Machine Vision Macro Lens*

Model		VS-MC50								
Optical mag. range		0.08x~0.48x								
Optical mag.		0.08 X			0.2 X			0.48 X		
FOV (VxH mm)	2/3"	82.5	X	110.0	33.0	X	44.0	13.8	X	18.3
	1/2"	60.0	X	80.0	24.0	X	32.0	10.0	X	13.3
	1/3"	45.0	X	60.0	18.0	X	24.0	7.5	X	10.0
WD		625.8 mm			262.4 mm			121.1 mm		
O/I (Object & Imager distance)		687.8 mm			330.2 mm			202.5 mm		
FNo.		2.5	5.6	8	2.5	5.6	8	2.5	5.6	8
Working F/#		2.70	6.05	8.64	3.00	6.72	9.60	3.70	8.29	11.84
DOF at PCoC $\phi$ 0.04mm		33.8	75.6	108.0	6.0	13.4	19.2	1.3	2.9	4.1
TV distortion (max.)		0.05%								
Wavelength		Visible (400nm - 700nm)								
Camera mount		C-mount								
Flange Back		17.526 mm								
Sensor size (max.)		2/3"								
Weight (approx.)		- g								
Dimension		$\Phi$ 31 (MAX) $\times$ L= 44.5 (0.08x) ~ 63.9 (0.48x) mm								

*Optical Data*

Maximum Aperture Ratio	1:2.0
Focal length (f)	48.46mm
Filter Thread	M27 P=0.5
Front Principle Point	24.36mm
Rear Principle Point	-37.65mm
FPP RPP Distance	-18.71mm
Optical over all length	43.3mm
Back Focus	10.82mm (∞時)