

Machine Vision Macro Lens

Model		VS-MC25N								
Optical mag. range		0.05x~0.5x								
Optical mag.		0.05 X			0.25 X			0.5 X		
FOV (VxH mm)	2/3"	132.0	X	176.0	26.4	X	35.2	13.2	X	17.6
	1/2"	96.0	X	128.0	19.2	X	25.6	9.6	X	12.8
	1/3"	72.0	X	96.0	14.4	X	19.2	7.2	X	9.6
WD		514.0 mm			106.0 mm			55.0 mm		
O/I (Object & Imager distance)		558.0 mm			155.1 mm			110.5 mm		
FNo.		2	5.6	8	2	5.6	8	2	5.6	8
Working F/#		2.10	5.88	8.40	2.50	7.00	10.00	3.00	8.40	12.00
DOF at PCoC ϕ 0.04mm		67.2	188.2	268.8	3.2	9.0	12.8	1.0	2.7	3.8
TV distortion (max.)		0.045%			-0.091%			-0.183%		
Wavelength		Visible (400nm - 700nm)								
Camera mount		C-mount								
Flange Back		17.526 mm								
Sensor size (max.)		2/3"								
Weight (approx.)		- g								
Dimension		Φ 31 (MAX) \times L= 26.5 (0.05x) ~ 38.0 (0.5x) mm								

Optical Data

Maximum Aperture Ratio	1:2.0
Focal length (f)	25.5mm
Filter Thread	M27 P=0.5
Front Principle Point	17.28mm
Rear Principle Point	-7.38mm
FPP RPP Distance	-4.33mm
Optical over all length	20.33mm
Back Focus	18.12mm(∞ 時)