

Machine Vision Macro Lens (For Red ~ Near-IR)

Model		VS-MC0510IR		
Optical mag. range		0.5x ~ 1.0x		
Optical mag.		0.5x	0.75x	1.0x
FOV (VxH)	2/3"	13.2x17.6	8.8x11.7	6.6x8.8
	1/2"	9.6x12.8	6.4x8.5	4.8x6.4
	1/3"	7.2x9.6	4.8x6.4	3.6x4.8
WD		126.3mm	95.7mm	80.4mm
O/I (Object & Imager distance)		203.2mm	184.1mm	180.3mm
Focal length (f)		45.97mm		
Working F/#		4.8	5.9	6.4
NA		0.052	0.063	0.078
DOF at PCoC ϕ 0.04mm		1.5mm	0.8mm	0.5mm
TV distortion (max.)		-0.01%以下		
Relative illuminance (Y=4.0)		87.7%	88.8%	90%
Front principle point		11.066mm		
Rear principle point		-14.99mm		
FPP RPP Distance		-0.07mm		
Wavelength		650~950nm \pm 40nm		
Camera mount		C-mount		
Flange back		17.526mm		
Sensor size (max.)		2/3"		
Co-axial prism		-		
Weight (approx.)		50g		
Dimension		ϕ 32(MAX) x L=59.4~82.4mm		