

High Resolution Telecentric Lens

VS-TCM / VS-TCH(65) series



Compact & High resolution

Variety of magnification : 0.5x - 6.0x

WD: 65-75mm

Co-axial lighting available for all models

High Resolution Telecentric Lens VS-TCM / VS-TCH(65) series High NA Model

	Optical Magnification	FOV(VxH mm) 1/2"	WD (mm)	NA	DOF* (mm)	TV Distortion (max)	Dimension (mm)
VS-TCM05-65 VS-TCM05-65CO	0.5x	9.6 x 12.8	67.6	0.040	2.0	0.05%	φ28 x L83.5
VS-TCM075-65/S VS-TCM075-65CO/S	0.75x	6.4 x 8.5	66.3	0.075	0.7	0.05%	φ36 x L85.9
VS-TCM1-65/S VS-TCM1-65CO/S	1.0x	4.8 x 6.4	66.3	0.081	0.5	0.05%	φ36 x L96.1
VS-TCM2-65/S VS-TCM2-65CO/S	2.0x	2.4 x 3.2	65	0.152	0.13	0.10%	φ38 x L95.8 φ38 x L97.5

*Permissible COC at 0.04mm. Ask us for larger DOF availability

for all models
Sensor size (max) : 1/2"
Filter adaptor available, see page 56
Model number with "CO" Integrated co-axial lighting prism
Model number with "S"; Iris adjustable model
C-mount

WD65mm High Resolution & Compact Model for 2/3"

	Optical Magnification	FOV(VxH mm) 2/3"	WD (mm)	NA	DOF* (mm)	TV Distortion (max)	Dimension (mm)
VS-TCH05-65 VS-TCH05-65CO	0.5x	13.2 x 17.6	75.3	0.027	3.0	0.016%	φ32 x L60.5
VS-TCH08-65 VS-TCH08-65CO	0.8x	8.3 x 11.0	70.3	0.042	1.2	0.007%	φ25 x L67
VS-TCH1-50 VS-TCH1-50CO	1.0x	6.6 x 8.8	53.3	0.05	0.8	0.02%	φ22 x L57
VS-TCH1-65 VS-TCH1-65CO	1.0x	6.6 x 8.8	68.8	0.05	0.8	0.009%	φ25 x L76.9
VS-TCH1.5-65 VS-TCH1.5-65CO	1.5x	4.4 x 5.9	65	0.064	0.4	0.014%	φ25 x L74.4
VS-TCH2-65 VS-TCH2-65CO	2.0x	3.3 x 4.4	65	0.074	0.3	0.03%	φ25 x L80.2
VS-TCH4-65 VS-TCH4-65CO	4.0x	1.7 x 2.2	65	0.112	0.09	0.015%	φ25 x L105.3
VS-TCH6-65 VS-TCH6-65CO	6.0x	1.1 x 1.5	65.8	0.111	0.06	0.022%	φ25 x L118.4

*Permissible COC at 0.04mm. Ask us for larger DOF availability

for all models
Sensor size (max) : 2/3"
Filter thread : M22.5 x 0.5 (except for VS-TCH05-65 & CO/ M30.5 x 0.5)
Model number with "CO"; Integrated co-axial lighting prism
C-mount

Co-axial LED Light

