

Designing for Trust

SWIR Telecentric Lens

VS-THV-SWIR SWIR SERIES

See What is Hidden
Telecentric Lenses for 1000nm ~ 1600nm SWIR



Mag. 1.0x / 2.0x
Mag. 1.5x / 3.0x / 4.0x

Support 1"
Support 1.1"



See What is Hidden Telecentric Lenses for 1000nm ~ 1600nm SWIR

Features

- SWIR optimized coaxial light input port
- 4 times higher SWIR transmittance compared to visible range telecentric lenses ※
- Higher transmission enables improvement to system takt time
- Adjustable DOF with the aperture control



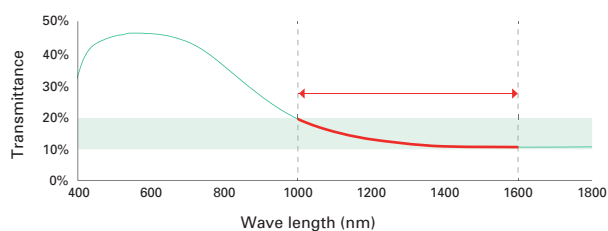
Model No.	WD	O/I	Magnification	Sensor Size(max.)	Co-axial	Mount
VS-THV1-110CO/S-SWIR	111.1mm	259.6mm	1.0x	1"	○	C-Mount
VS-THV1.5-110CO/S-SWIR	110.4mm	259.3mm	1.5x	1.1"	○	C-Mount
VS-THV2-110CO/S-SWIR	110.4mm	294.9mm	2.0x	1"	○	C-Mount
VS-THV3-110CO/S-SWIR	111.2mm	325.0mm	3.0x	1.1"	○	C-Mount
VS-THV4-110CO/S-SWIR	110.4mm	349.9mm	4.0x	1.1"	○	C-Mount

Transmittance

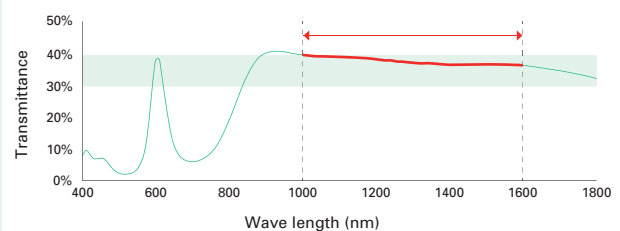
Y: Transmittance (%) X: Wave Length (nm)

※4 times higher transmittance in the 1000nm ~ 1600nm range

Visible range designed telecentric lens

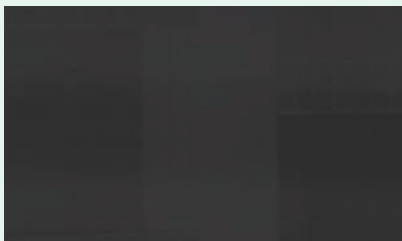


VS-THV2-110CO/S-SWIR



Transmittance Comparison (Captured at same shutter speed)

Visible range designed telecentric lens

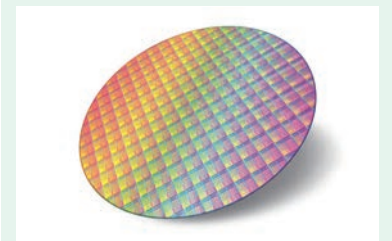


VS-THV4-110CO/S-SWIR



Application

Semiconductor



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