

Telecentric

VS-THV

Supports 1"
SERIES

One shot, full discovery.
High performance telecentric lens for large detectors.



Fixed Magnification: 0.11x, 0.5x, 1x, 2x



VS TECHNOLOGY
MACHINE VISION OPTICS

1" Supporting High Performance Telecentric Lenses



Features

- 1" sensor support
- Variable aperture allows for DOF and contrast adjustment
- Ideal for high accuracy gauging applications
- Straight and coaxial models are available
- 100mm x 100mm maximum possible FOV
- Stand Clamp available (VS-THV011-220/S)

| Model | Mag. | WD | Coaxial | Max Sensor |
|------------------|------|-------|---------|------------|
| VS-THV011-220/S | 0.11 | 222.5 | - | 1" |
| VS-THV05-110/S | 0.5 | 112.2 | - | 1" |
| VS-THV05-110CO/S | 0.5 | 112.2 | ✓ | 1" |
| VS-THV1-110/S | 1 | 111.1 | - | 1" |
| VS-THV1-110CO/S | 1 | 111.1 | ✓ | 1" |
| VS-THV2-110/S | 2 | 110.4 | - | 1" |
| VS-THV2-110CO/S | 2 | 110.4 | ✓ | 1" |

| | Telecentric Lens | CCTV/Macro Lens |
|-------------|--|--|
| | | |
| Strength | - No perspective error - Distortionless | - Good for Large FOV - Low cost - Compact size |
| Setback | - The lens itself must be larger in diameter than the object being inspected | - perspective error - Magnification changes at depth of field |
| Application | - Alignment - Measurement - Surface inspection | - Image Inspection - OCR |

| | Dark Field | Bright Field |
|------------------|------------|--------------|
| THV Series Image | | |