

**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

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**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
	<p>Good Telecentricity</p>	<p>Bad Telecentricity</p>
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		

### International Sales Offices

<https://vst.co.jp>

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**VST Taiwan (Taipei)**  
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**VST America (Chicago)**  
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**VST Europe (Winterthur)**  
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**VST Poland (Warsaw)**  
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**VST Vietnam (Hanoi)**  
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**VST Shenzhen (Shenzhen)**  
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**VST Taiwan (Hsinchu)**  
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