LSTL-H Series

High Resolution Telecentric Lens for φ44mm Sensor

The highest NA in the optical industry

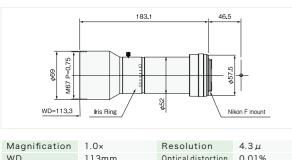
- **E** Telecentric lens for large format, ϕ 44mm
- **E** Suitable for large area sensor of high resolution, 20 Mega Pixel, 25 Mega Pixel, and 29 Mega Pixel Design for large aperture
- Excellent uniformity of brightness and resolution
- Suitable for high speed and precise measurement
- Adjustable iris, possible to adjust depth of field
- M58 and M42 mount are also available



Φ44

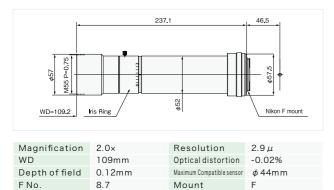
FORMAT

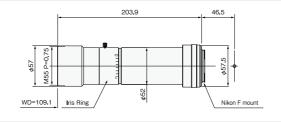
LSTL10H-F



Magnification	1.0×	Resolution	4.3 μ
WD	113mm	Optical distortion	0.01%
Depth of field	0.31mm	Maximum Compatible sensor	φ44mm
FNo.	6.4	Mount	F

LSTL20H-F





Magnification	1.5×	Resolution	3.5 µ
WD	109mm	Optical distortion	0.02%
Depth of field	0.17mm	Maximum Compatible sensor	φ44mm
FNo.	7.8	Mount	F

Model No. for Different Mount

Model	Compatible Camera	Screw Pitch	Back Focal Distance		
LSTLDDH-V58	SVS: SVCam-HR	M58 (P = 0.75)	11.48mm		
LSTLDDH-B42	Basler	M42 (P = 1)	16mm		
LSTLDDH-B42/2	Basler	M42 (P = 0.75)	16mm		
LSTLDDH-V42	SVS	M42 (P = 1)	11.48mm		
LSTLDDH-S42	Sentech	M42 (P = 1)	10mm		
LSTLDDH-D42	Dalsa: Spyder 3	M42 (P = 1)	6.56mm		
* Customized mount is also available. Please contact us for further information.					

* Indicated specifications are design values. * Resolution indicates the theoretical resolution at wavelength of 550nm.

* Depth of field is calculated assuming F No.(∞) 5.6 and resolution of 14 μ camera. * Drawing is for F mount.

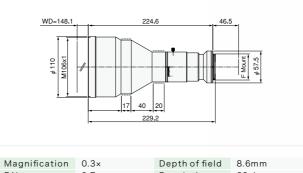
LSTL-TW Series

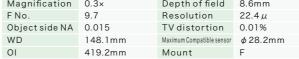
Telecentric Lens for Large Format

Suitable for middle-sized line and large area sensor

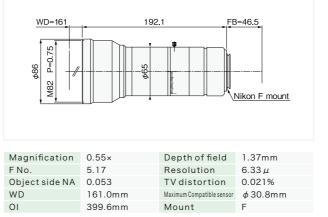
- Low magnification telecentric lens series for large format
- Suitable for 12 Mega Pixel sensor
- LSTL078TW-F is suitable for visible NIR
- LSTL055TW-F is designed for high NA with long working distance, 160mm
- LSTL03TW-F is designed for long working distance, 150mm that can secure enough space to set up an illumination
- Adjustable iris, possible to adjust depth of field
- Customized mount is available

LSTL03TW-F





LSTL055TW-F



* Indicated specifications are design values. * Resolution indicates a theoretical resolution at a wavelength of 550nm. *Depth of field is calculating assuming a horizontal 320 TV resolution using 1/2 inch camera (permissible circle of confusion 40 µ).

LINE SENSOR LENS / LARGE AREA SENSOR LENS





LSTL078TW-F

