

LSTL-H Series

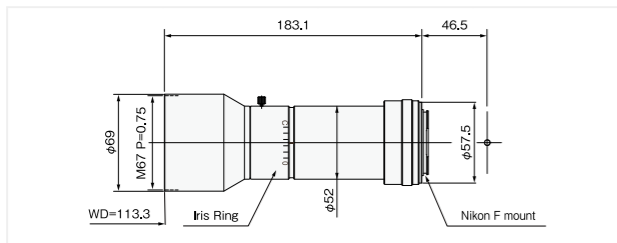
# High Resolution Telecentric Lens for F Mount

The highest NA for  $\phi 44\text{mm}$  sensor in the optical industry

- Telecenic lens for line scan,  $\phi 44\text{mm}$
- Suitable for large area sensor of high resolution such as 12 Mega, 16 Mega, and 29 Mega
- 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
- Customized mount is available

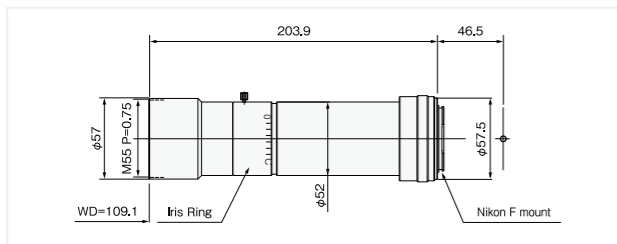


LSTL10H-F



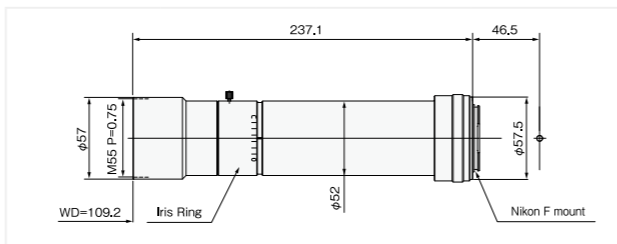
Magnification	1.0x	Resolution	4.3 $\mu$
WD	113mm	Optical distortion	0.01%
Depth of field	0.31mm	Maximum Compatible CCD	$\phi 44\text{mm}$
F No.	6.4	Mount	F

LSTL15H-F



Magnification	1.5x	Resolution	3.5 $\mu$
WD	109mm	Optical distortion	0.02%
Depth of field	0.17mm	Maximum Compatible CCD	$\phi 44\text{mm}$
F No.	7.8	Mount	F

LSTL20H-F



Magnification	2.0x	Resolution	2.9 $\mu$
WD	109mm	Optical distortion	-0.02%
Depth of field	0.12mm	Maximum Compatible CCD	$\phi 44\text{mm}$
F No.	8.7	Mount	F

\* Indicated specifications are design values. \* Resolution indicates the theoretical resolution at wavelength of 550nm.  
\* Depth of field is calculated assuming F No.( $\infty$ ) 5.6 and resolution of 14 $\mu$  camera.

HB5014-F

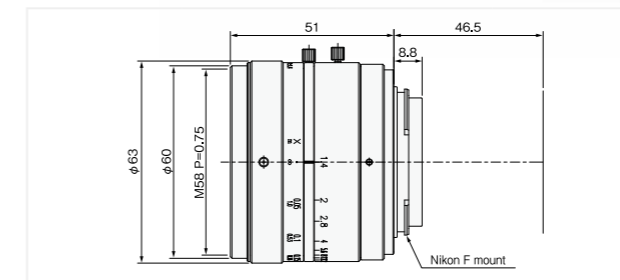
# Line Scan Lens for Large Aperture

Large aperture and design for machine vision

- Excellent brightness, F No. 1.4
- Suitable for high speed applications such as printing, food inspection, etc..
- High durability
- Metal design, avoid aged deterioration of plastic and gum, concerned about photographic lenses
- Suitable for large image circle and high speed camera



HB5014-F



Focal length	50mm	Optical distortion	0.17%
$\infty$ FNO	1.4	Maximum Compatible CCD	$\phi 45\text{mm}$
Range of WD	0.27m - $\infty$	Mount	F
Magnification at MOD	0.2x		

\* Indicated specifications are design values.