

0.18 – 0.55× telecentric lens, 2/3", C-mount

LS-TCL-0448 series · Telecentric lenses · 1 model

Telecentric lens with constant magnification across the depth of field, for measurement and gauging without perspective error.
Connection: hr10a-7r-6pbc;
working distance 15 mm - 155 mm;
depth of field 14.4 mm.
Rendered illustration: the actual product may differ in appearance.



Common specifications

Magnification	0.18 – 0.55×
Working distance	15 mm – 155 mm
Sensor format	2/3"
Mount	C-mount
Depth of field	14.4 mm
Connector	HR10A-7R-6PBc
Current range	500 to +500 mA
Dimensions approximate	249.3 x 80 x 80 mm
Distortion typical (%)	< 0.3
Filter thread	No Filter Threads
Focal power mode	Yes
FOV @ 1/1.8"	39.61 x 29.61
Fov @ 1/2.0"	35.56 x 26.67 mm 11.64 x 8.73 mm
Fov @ 1/2.5"	31.67 x 23.78 mm – 10.36 x 7.78 mm
FOV @ 1/2"	35.56 x 26.67 mm 11.64 x 8.73 mm
Fov @ 1/3.0"	026.67 x 020.00 mm – 008.73 x 006.55 mm
FOV @ 2/3"	47.22 x 39.39 mm 15.45 x 12.89 mm
Front diameter	80 mm
Image circle	11 mm
Installation location	Indoor Use Only
Lens type	Telecentric
Lifecycles (10%-90% sinusoidal)	>1,000,000,000
Liquid lens model	liquid lens
Magnification ratio	3x
Operating relative humidity (%)	20-85 Non Condensing
Operating temperature range	0 to 40°C
Repeatability using focal power mode (dpt)	±0.05 (small steps); ±0.1 (large steps) (dpt)
Resolution (pixel size)	18 µm
Response time	5 Milliseconds
Setting time	25 Milliseconds
Storage temperature range	0 to 50°C
Telecentricity typical	< 0.3°
Working f/n	f/16
Weight	967 Grams

Models

Model

LS-TCL-0448

Product views

