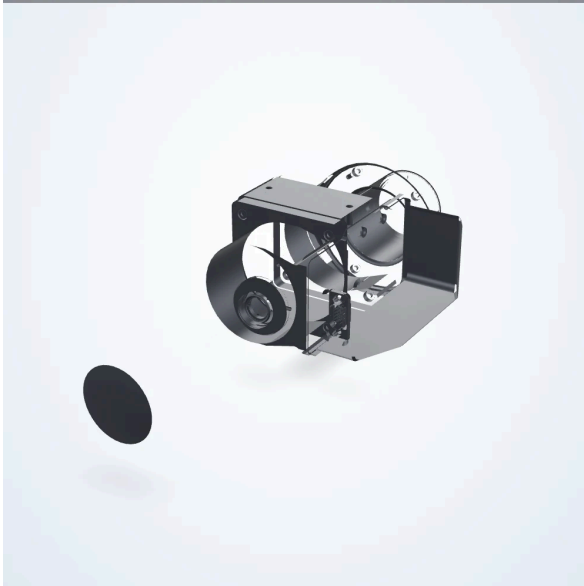


Telecentric lens series, 2/3", C-mount (S32)

LS-TCL-S32 series · Telecentric lenses · 2 models

Connection:
db15hd
male;
working
distance 74
mm; depth
of field 0.8
mm.
Rendered
illustration:
the actual
product
may differ in
appearance.



Common specifications

Sensor format	2/3"
Mount	C-mount
Connector	DB15HD Male
IP rating	IP20
Filter thread	No Filter Threads
Image circle	11 mm
Installation location	Indoor Use Only
Interface	RS422
Interpolation	500
Lens type	Telecentric
Max image displacement between magnification changes	350 μ m
Motor to encoder ratio	2.56
Number of encoders	1
Number of magnetic poles	120
Number of motors	1
Operating relative humidity (%)	10-85 Non Condensing
Operating temperature range	0 to 40°C
Output signals	A, B, Z (Index)
Poles pitch	2 mm
Pulses per revolution	60000
Reference point repeatability	< 6 μ m < 5 μ m < 2 μ m < 4 μ m
Resolution (pixel size)	10 μ m
Rms winding current	600 mA
Steps per revolution	200
Storage temperature range	0 to 50°C
Supply current maximum	30 mA
Supply voltage	24 Volts
Telecentricity maximum	0.10°
Telecentricity typical	< 0.05°
Time for magnification change maximum	2 Seconds
Time for magnification change minimum	1.5 Seconds
Winding voltage	24 Volts
Working f/n	f/16

Models

Model	Magnification	Working distance	Depth of field	Dimensions approximate	Distortion maximum (%)	Distortion typical (%)	FOV @ 1/1.8"
LS-TCL-0449	0.25×	74 mm	0.8 mm	211.5 x 103 x 142 mm	< 0.08	< 0.04	28.52 x 21.32 mm 14.26 x 10.66 mm 7.13 x 5.33 mm 3.57 x 2.67 mm
LS-TCL-0450	0.125×	157.8 mm	13.2 mm	279.3 x 100 x 142 mm	< 0.1	< 0.05	57.04 x 42.64 mm 28.52 x 21.32 mm 14.26 x 10.66 mm 7.13 x 5.33 mm

More values per model (Fov @ 1/2.0", Fov @ 1/2.5", FOV @ 1/2", Fov @ 1/3.0", FOV @ 2/3", Front diameter, Weight) are on each product page.

Product views

