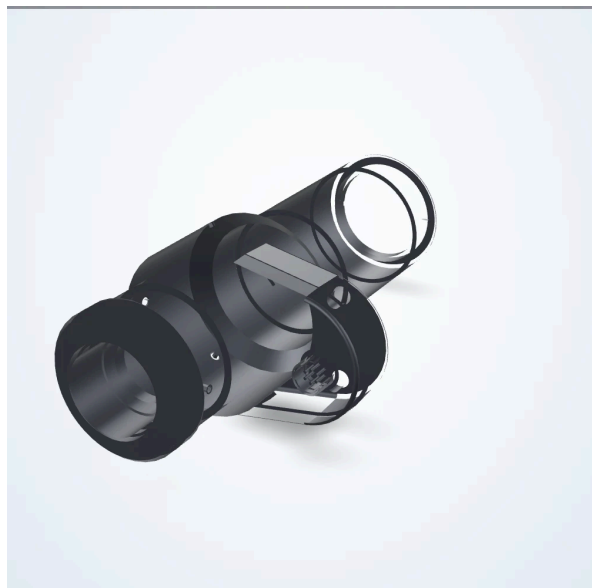


Telecentric lens series, 2/3", C-mount (S28)

LS-TCL-S28 series · Telecentric lenses · 8 models

Connection:
hr10a-7r-6pbc;
working
distance 112.2
mm - 146.3
mm; depth of
field 2.5 mm.
Rendered
illustration: the
actual product
may differ in
appearance.



Common specifications

Sensor format	2/3"
Mount	C-mount
Connector	HR10A-7R-6PBc
Current range	500 to +500 mA
Filter thread	No Filter Threads
Focal power mode	Yes
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
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)
Response time	5 Milliseconds
Setting time	25 Milliseconds
Storage temperature range	0 to 50°C

Models

Model	Magnification	Working distance	Depth of field	Dimensions approximate	Distortion maximum (%)	Distortion typical (%)	FOV @ 1/1.8"
LS-TCL-0425	0.5×	112.2 mm - 146.3 mm	2.5 mm	130.8 x 37. x 37.7 mm	< 0.2	< 0.1	14.26 x 10.66 mm
LS-TCL-0426	0.67×	112.3 - 146.1 mm	1.4 mm	149.3 x 37. x 37.7 mm	< 0.2	< 0.1	10.64 x 7.96 mm
LS-TCL-0427	0.75×	112.5 - 146.1 mm	1.1 mm	155 x 37. x 37.7 mm	< 0.2	< 0.1	9.51 x 7.11 mm
LS-TCL-0428	1×	118.0 - 142.0 mm	0.6 mm	126 x 37. x 37.7 mm	< 0.1	< 0.05	7.13 x 5.33 mm
LS-TCL-0429	1.5×	118.0 - 142.0 mm	0.4 mm	140.4 x 37. x 37.7 mm	< 0.1	< 0.05	4.75 x 3.55 mm
LS-TCL-0430	0.243×	73.2 - 122.9 mm	7 mm	166.4 x 61 x 61 mm	< 0.15	< 0.04	29.34 x 21.93 mm
LS-TCL-0431	2.5×	117.9 - 142.1 mm	0.2 mm	157 x 37. x 37.7 mm	< 0.1	< 0.05	2.85 x 2.13 mm
LS-TCL-0432	3.5×	117.9 - 142.1 mm	0.1 mm	174.7 x 37. x 37.7 mm	< 0.1	< 0.05	2.04 x 1.52 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, Magnification ranges at -2 dpt to +3 dpt, Resolution (pixel size), Telecentricity maximum, Telecentricity typical, Working f/n, Weight) are on each product page.

Product views

