

K Series Object-Side Telecentric lenses

LS-K-OBJECT-SIDE series · Telecentric lenses · 123 models



1", coaxial light port. Excellent image quality with an optimized fixed-magnification design Supports cameras up to 1.1"

Features

- Excellent image quality with an optimized fixed-magnification design
- Supports cameras up to 1.1"

Common specifications

Connector type	C-Mount
Temperature	-10~50°C
Certification	RoHS2.0

Models

Model	Magnification	Working distance	Image size	F-number	Depth of field	Distortion	Object-side resolution
LS-KT-10-108C	10	108 mm	1.1"	F52.5	0.04 mm	≤ 0.08%	3.4 μm
LS-KT-8-108C	8	108 mm	1.1"	F40.4	±0.025 mm @F40.4	≤ 0.08%	3.4 μm
LS-KT-3-110	3	110 mm	1.1"	F20.1	±0.09 mm @F20.1	≤ 0.1%	4.2 μm
LS-KT-3-110C	3	110 mm	1.1"	F20.1	±0.09 mm @F20.1	≤ 0.1%	4.2 μm
LS-KT-6-108	6	108 mm	1.1"	F29.7	±0.03 mm @F29.7	≤ 0.04%	3.4 μm
LS-KT-5-102	5	102 mm	1.1"	F25	0.1 mm	≤ 0.16%	3.4 μm
LS-KT-4-108	4	108 mm	1.1"	F20	±0.05 mm @F20	≤ 0.07%	3.4 μm
LS-KT-4-108C	4	108 mm	1.1"	F20	±0.05 mm @F20	≤ 0.07%	3.4 μm
LS-KT-4-100C	4	100 mm	1.1"	F26.5	±0.07 mm @F26.5	≤ 0.05%	3.6 μm

LS-KY-03-193	0.3	193 mm	1"	F16.8	14.9 mm	≤ 0.5%	37.4 μm
LS-KT-066-110	0.66	110 mm	1"	F7	±0.6 mm @F7	≤ 0.02%	5.6 μm
LS-KT-063-110	0.63	110 mm	1.1"	F7	±0.7 mm @F7	≤ 0.1%	7.5 μm
LS-KT-03-150	0.3	150 mm	1.1"	F6	5.34 mm	≤ 0.05%	13.47 μm
LS-KT-07-105-V3	0.7	105 mm	1.1"	F7	1.1 mm	≤ 0.03%	6.7 μm
LS-KT-05-220	0.5	220 mm	1.1"	F7	±1.1 mm @F7	≤ 0.05%	7.2 μm
LS-KT10-05-220	0.5	220 mm	1"	F8	±1.3 mm @F8	≤ 0.1%	9.1 μm
LS-KT-05-220-G	0.5	220 mm	1.1"	F7~32	2.2~10.2 mm	≤ 0.05%	9.4~43 μm
LS-KT-05-220C	0.5	220 mm	1.1"	F7	±1.1 mm @F7	≤ 0.1%	7.2 μm
LS-KT-032-220	0.32	220 mm	1"	F12.1	±4.7 mm @F12.1	≤ 5%	25.4 μm
LS-KT10-04-110	0.4	110 mm	1"	F8	4 mm	≤ 0.01%	13.4 μm
LS-KT-04-110	0.4	110 mm	1.1"	F6	3 mm	≤ 0.05%	10.1 μm
LS-KT-04-110-V3	0.4	110 mm	1"	F8	4 mm	≤ 0.01%	13.4 μm
LS-KS-04-670	0.4	670 mm	1.1"	F8	4 mm	≤ 0.3565%	13.5 μm
LS-KY-06-220	0.6	220 mm	1"	F12.9	2.9 mm	≤ 0.1%	14.4 μm
LS-KT-055-220	0.55	220 mm	1.1"	F10.1	±1.3 mm @F10.1	≤ 0.1%	10.1 μm
LS-KT-055-190	0.55	190 mm	1.1"	F10.1	±1.3 mm @F10.1	≤ 0.1%	10.1 μm
LS-KT-046-220	0.46	220 mm	1"	F11.6	±2.2 mm @F11.6	≤ 0.25%	13.6 μm
LS-KT-06-110-V3	0.6	110 mm	1.1"	F7	±0.8 mm @F7	≤ 0.1%	7.9 μm
LS-KT-093-120-V3	0.93	120 mm	1.1"	F11	1 mm	≤ 0.1%	8 μm
LS-KT-0367-220C	0.367	220 mm	1.1"	F8	±2.4 mm @F8	≤ 0.06%	11.9 μm
LS-KT-1-80C-G	1	80 mm	1.2"	F5.3~32	0.4~2.56 mm	≤ 0.045%	3.5~21.472 μm
LS-KY-03-650	0.3	650 mm	1.1"	F10.5	10.5 mm	≤ 0.002%	26.5 μm
LS-KY-035-560	0.35	560 mm	1.1"	F12.5	8.2 mm	≤ 0.02%	24 μm
LS-KS-035-473	0.35	473 mm	1.1"	F7	4.6 mm	≤ 0.1954%	13.4 μm
LS-KS-03-534	0.3	534 mm	1.1"	F7	6.2 mm	≤ 0.2027%	15.7 μm
LS-KS-035-733	0.35	733 mm	1.1"	F8	5.2 mm	≤ 0.3681%	15.3 μm
LS-KS-035-647	0.35	647 mm	1.1"	F8.7	5.7 mm	≤ 0.06%	17.9 μm
LS-KY-036-125	0.36	125 mm	1"	F14.9	9.2 mm	≤ 0.4%	27.4 μm
LS-KT-035-160	0.35	160 mm	1"	F7	±2.3 mm @F7	≤ 0.02%	13.4 μm
LS-KT-0345-220-V4	0.345	220 mm	1.1"	F8	5.4 mm	≤ 0.025%	15.6 μm
LS-KT-0345-220-V5-G	0.345	220 mm	1.1"	F8-32	5.4~21.5 mm	≤ 0.027%	15.6~62.2 μm
LS-KS-035-232	0.35	232 mm	1.2"	F5.6	3.7 mm	≤ 0.17%	10.7 μm
LS-KT-023-220	0.23	220 mm	1.1"	F8	±6 mm @F8	≤ 0.1%	19.8 μm
LS-KT-023-170	0.23	170 mm	1.1"	F8	±6 mm @F8	≤ 0.1%	23.5 μm
LS-KT-0275-220	0.275	220 mm	1.1"	F8	±4.2 mm @F8	≤ 0.1%	17.3 μm
LS-KT-069-192	0.69	192 mm	1"	F9	±0.75 mm @F9	≤ 0.01%	8.6 μm
LS-KT-04-150-G	0.4	150 mm	1"	F9~32	4.5~16 mm	≤ 0.05%	15.1 ~ 53.7 μm

LS-KT10-04-150-G-V2	0.4	150 mm	1"	F9-32	4.5~16 mm	≤ 0.02%	15.11~53.69 μm
LS-KS-045-189	0.45	189 mm	1.2"	F6.5	2.6 mm	≤ 0.15%	9.6 μm
LS-KT-04-196	0.4	196 mm	1"	F8	±2 mm @F8	≤ 0.1%	10.9 μm
LS-KT-04-200	0.4	200 mm	1.1"	F9	4.5 mm	≤ 0.1%	15.2 μm
LS-KS-04-190	0.4	190 mm	1.2"	F5.7	2.9 mm	≤ 0.16%	9.6 μm
LS-KT-0246-220	0.246	220 mm	1.1"	F8	±5.3 mm @F8	≤ 0.1%	20.3 μm
LS-KY-07-300	0.7	300 mm	1.1"	F17.9	2.9 mm	≤ 0.02%	17.2 μm
LS-KT-03-250	0.3	250 mm	1"	F8	±3.5 mm @F8	≤ 0.2%	15.9 μm
LS-KS-07-287	0.7	287 mm	1.1"	F8	1.3 mm	≤ 0.1951%	7.7 μm
LS-KS-04-227	0.4	227 mm	1.2"	F6.9	3.5 mm	≤ 0.27%	11.6 μm
LS-KY-04-250	0.4	250 mm	1"	F11	5.5 mm	≤ 0.01%	18.4 μm
LS-KS-035-254	0.35	254 mm	1.2"	F6.6	4.3 mm	≤ 0.52%	12.8 μm
LS-KT-036-291	0.36	291 mm	1"	F7.5	±2.3 mm @F7.5	≤ 0.06%	14 μm
LS-KT10-042-285	0.42	285 mm	1"	F7	±1.6 mm @F7	≤ 0.05%	11.2 μm
LS-KY-04-300	0.4	300 mm	4/3"	F15	7.5 mm	≤ 0.1%	25.1 μm
LS-KS-025-310	0.25	310 mm	1.2"	F4.9	6.3 mm	≤ 0.12%	13.2 μm
LS-KS-04-425	0.4	425 mm	1.1"	F7	3.5 mm	≤ 0.2033%	11.7 μm
LS-KY-03-340	0.3	340 mm	1"	F14.1	12.5 mm	≤ 0.1%	31.4 μm
LS-KY-022-380	0.22	380 mm	1"	F12.3	20.3 mm	≤ 0.1%	37.4 μm
LS-KY-03-360	0.3	360 mm	1"	F12.9	11.5 mm	≤ 0.1%	28.8 μm
LS-KS-015-640	0.15	640 mm	1.1"	F8	28.4 mm	≤ 0.05%	35.8 μm
LS-KS-015-963	0.15	963 mm	1.1"	F6.5	23.1 mm	≤ 0.0023%	29.1 μm
LS-KY-0175-640	0.175	640 mm	1"	F10.9	28.5 mm	≤ 0.2%	41.9 μm
LS-KY-018-630	0.18	630 mm	1"	F5.6	13.8 mm	≤ 0.02%	21 μm
LS-KY-025-415	0.25	415 mm	4/3"	F24.6	31.5 mm	≤ 0.35%	66 μm
LS-KY-028-680	0.28	680 mm	1"	F11.8	12 mm	≤ 0.1%	28.3 μm
LS-KY-029-742	0.29	742 mm	1"	F7.3	6.9 mm	≤ 0.04%	16.8 μm
LS-KS-025-423	0.25	423 mm	1.2"	F8	10.2 mm	≤ 0.3%	21.4 μm
LS-KS-0128-1115	0.128	1115 mm	1.1"	F6	29.3 mm	≤ 0.2%	31.5 μm
LS-KS-01-778	0.1	778 mm	1.2"	F5.1	40.8 mm	≤ 0.56%	34.2 μm
LS-KY-022-530	0.22	530 mm	1"	F10.9	18 mm	≤ 0.1%	33.4 μm
LS-KY-02-550	0.2	550 mm	1"	F13.6	27.2 mm	≤ 0.05%	45.6 μm
LS-KY-024-760	0.24	760 mm	1"	F11.2	15.6 mm	≤ 0.05%	31.4 μm
LS-KY-025-465	0.25	465 mm	1"	F10	12.8 mm	≤ 0.1%	26.9 μm
LS-KY-025-695	0.25	695 mm	4/3"	F12.5	16 mm	≤ 0.1%	33.6 μm
LS-KY-014-700	0.14	700 mm	1"	F12	49 mm	≤ 0.03%	57.4 μm
LS-KS-02-604	0.2	604 mm	1.2"	F7.1	14.2 mm	≤ 0.01%	24 μm
LS-KS-02-750	0.2	750 mm	1.1"	F6.5	13 mm	≤ 0.2082%	21.8 μm

More values per model (Object-side telecentricity, Coaxial light, Dimension) are on each product page.

Technical drawing of the C-Mount sensor assembly showing dimensions in inches and millimeters. The drawing includes the following dimensions:

- WD=108
- 73.5
- 67.7
- 27.4
- 23.4
- 2.9
- 19.9
- 21.4
- 19.9
- 19.9
- 54.2
- 238.8
- 17.526
- 8.0
- max 1.1" sensor
- C-Mount

The drawing also shows a cross-section of the sensor assembly with a 3-M3 hole and a 1/8" hole. The sensor is labeled "max 1.1" sensor" and "C-Mount".

