

Telecentric lens for AOI inspection, WD 110-220 mm

LS-VWK series · Telecentric lenses · 26 models



Large target area, high resolution object-side telecentric lenses for AOI: large FOV with low magnification and long working distance, supporting up to 1.1" 12M class high-speed cameras.

Features

- Working distance 110 - 220 mm
- C-mount
- Coaxial light versions (C in the model code)
- Large FOV with low magnification
- Long working distance, easy for illumination and object allocation design
- High accuracy, low distortion, high telecentricity, supports up to 1.1" 12M class high-speed cameras
- Optimized for AOI and positioning applications

Applications

- AOI inspection
- Positioning

Common specifications

Mount

Models

Model	Mag. (x)	WD (mm)	Max sensor size (dia. mm)	F/#	MTF30 (lp/mm)	DoF (mm)	Distortion (% max)
LS-VWK014-190-125	0.14	190±2	7.2(1/2.5")	8	>100	±32.5@F16	<0.2
LS-VWK022-200-118	0.22	200±3	9.0(1/1.8")	8	>95	±13@F16	<0.1
LS-VWK022-200-230	0.22	200±3	11.0(2/3")	10	>80	±13@F16	<0.1
LS-VWK022-220-230-AL	0.22	220±3	11.0(2/3")	10	>80	±13@F16	<0.1
LS-VWK022-220-111	0.22	220±3	18.0(1.1")	8	>110	±13@F16	<0.1
LS-VWK023-220-111	0.23	220±3	18.0(1.1")	8	>110	±12@F16	<0.1
LS-VWK0246-220-111	0.246	220±3	18.0(1.1")	8	>100	±10@F16	<0.1
LS-VWK0275-220-111	0.275	220±3	18.0(1.1")	8	>105	±8@F16	<0.1

LS-VWK03-180-118	0.3	180±2	9.0(1/1.8")	8	>100	±7@F16	<0.1
LS-VWK03-180-230	0.3	180±2	11.0(2/3")	10	>83	±7@F16	<0.1
LS-VWK03-180C-230	0.3	180±2	11.0(2/3")	10	>83	±7@F16	<0.1
LS-VWK03-220-230	0.3	220±3	11.0(2/3")	13.6	>63	±9.7@F22	<0.1
LS-VWK03-220C-230	0.3	220±3	11.0(2/3")	13.6	>63	±9.7@F22	<0.1
LS-VWK0345-220-110	0.345	220±3	16.0(1")	8	>115	±5.3@F16	<0.1
LS-VWK0367-220-110	0.367	220±3	16.0(1")	8	>115	±4.7@F16	<0.1
LS-VWK05-220-110	0.5	220±3	16.0(1")	8	>110	±2.5@F16	<0.1
LS-VWK05-220C-110	0.5	220±3	16.0(1")	8	>110	±2.5@F16	<0.1
LS-VWK055-220-110	0.55	220±3	16.0(1")	8	>110	±2.1@F16	<0.1
LS-VWK10-110-111	1.0	110±2	18.0(1.1")	7	>105	±0.6@F16	<0.13
LS-VWK10-110C-111	1.0	110±2	18.0(1.1")	7	>105	±0.6@F16	<0.13
LS-VWK15-110-111	1.5	110±2	18.0(1.1")	10	>78	±0.35@F20	<0.1
LS-VWK15-110C-111	1.5	110±2	18.0(1.1")	10	>78	±0.35@F20	<0.1
LS-VWK20-110-111	2.0	110±2	18.0(1.1")	13.5	>60	±0.2@F20	<0.1
LS-VWK20-110C-111	2.0	110±2	18.0(1.1")	13.5	>60	±0.2@F20	<0.1
LS-VWK30-110-111	3.0	110±2	18.0(1.1")	20.1	>40	±0.09@F20.1	<0.1
LS-VWK30-110C-111	3.0	110±2	18.0(1.1")	20.1	>40	±0.09@F20.1	<0.1

More values per model (Telecentricity (deg max), Length (mm), Coaxial light, Field of view on 1/2.5" 9P001/31(5.7x4.28) (mm), Magnification (x), Working distance (mm), Depth of field (mm), Telecentricity (° max), Field of view on 1/2.5" 9P001/31(5.7x4.28) (mm x mm), Sensor format, Aperture, Field of view on 1/1.8" ICX274/687(7.16x5.44) (mm)...) are on each product page.

Dimensions







