

Telecentric lens, WD 110-220 mm (110 - 220 mm)

LS-VCL-110-220 series · Telecentric lenses · 16 models



Object side telecentric fixed magnification lenses (Macro/Megapixel Telecentric Lenses), working distance 110 to 220 mm, C-mount; versions with a coaxial light port are marked C.

Features

- Full range of object side telecentric fixed magnification lenses, with multiple working distances / magnification / CCD for selection
- Perfect image and supports all kinds of Mega camera
- High contrast, low distortion, high resolution, compact design with coaxial illumination options
- Widely used in high-precision visual positioning and other occasions

Applications

- High-precision visual positioning

Common specifications

Mount

Ordering code: <magnification x10, e.g. 20 = 2.0x>-<WD in mm, e.g. 110><C = with coaxial light>-<sensor, e.g. 230 = CCD 2/3">

Models

Model	Magnification (x)	Working distance (mm)	Max sensor size (dia. mm)	F/#	MTF30 (lp/mm)	Depth of field (mm)	Distortion (% max)
LS-VCM022-220-230-AL	0.22	220±3	11.0(2/3")	10	>80	±13@F16	<0.1
LS-VDH03-180-118	0.3	180±2	9.0(1/1.8")	8	>100	±7@F16	<0.1
LS-VDH03-180-230	0.3	180±2	11.0(2/3")	10	>83	±7@F16	<0.1
LS-VDH03-180C-230	0.3	180±2	11.0(2/3")	10	>83	±7@F16	<0.1
LS-VDH03-220-230	0.3	220±3	11.0(2/3")	13.6	>63	±9.7@F22	<0.1
LS-VDH30-110C-111	3.0	110±2	18.0(1.1")	20.1	>40	±0.09@F20.1	<0.1
LS-VDH30-110-111	3.0	110±2	18.0(1.1")	20.1	>40	±0.09@F20.1	<0.1

LS-VDH20-110C-111	2.0	110±2	18.0(1.1")	13.5	>60	±0.2@F20	<0.1
LS-VDH03-220C-230	0.3	220±3	11.0(2/3")	13.6	>63	±9.7@F22	<0.1
LS-VDH05-220-110	0.5	220±3	16.0(1")	8	>110	±2.5@F16	<0.1
LS-VDH05-220C-110	0.5	220±3	16.0(1")	8	>110	±2.5@F16	<0.1
LS-VDH10-110-111	1.0	110±2	18.0(1.1")	7	>105	±0.6@F16	<0.13
LS-VDH10-110C-111	1.0	110±2	18.0(1.1")	7	>105	±0.6@F16	<0.13
LS-VDH15-110-111	1.5	110±2	18.0(1.1")	10	>78	±0.35@F20	<0.1
LS-VDH15-110C-111	1.5	110±2	18.0(1.1")	10	>78	±0.35@F20	<0.1
LS-VDH20-110-111	2.0	110±2	18.0(1.1")	13.5	>60	±0.2@F20	<0.1

More values per model (Telecentricity (° max), Length (mm), Coaxial light, Field of view with 2/3" ICX625/655(8.47x7.1) (mm), Sensor format, Aperture, Field of view with 1/1.8" ICX274/687(7.16x5.44) (mm), Field of view with 1/1.8" EV76C570(7.2x5.4) (mm), Field of view with 1.1" IMX253(14.19x10.38) (mm), Field of view with 1" KAI-04050(12.85x9.64) (mm), Field of view with 1" CMV4000(11.26x11.26) (mm), Field of view with 1" ICX674/694/814(12.5x10.0) (mm)) are on each product page.

Dimensions







