

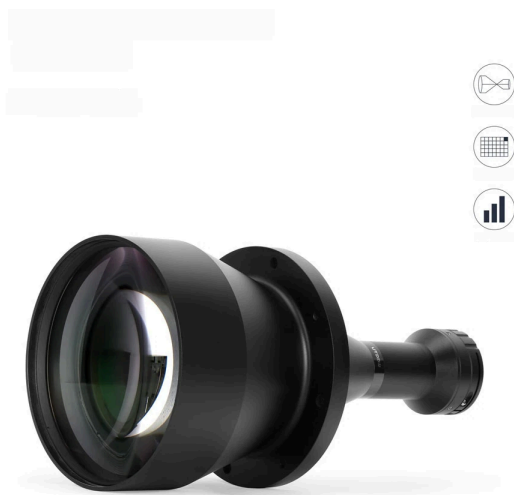
Bi-telecentric lens for 1.1" sensor (XR-1CM)

LS-XR-1CM series · Telecentric lenses · 23 models

Bi-telecentric lens for 1.1" sensor.

Features

- Supports cameras with sensors up to 1.1" (dia. 19.5 mm)
- Excellent double-sided telecentric optical path, ultra-low distortion design
- Very large depth of field to image products at different heights
- High-precision alignment: hardware measurement error < 0.3 pixel over the full field of view
- Lightweight, secure structure performs stably during high-speed motion



Common specifications

Mount	C
Sensor size	1.1" φ18.5mm

Models

Model	Lighting mode	Optical magnification (X)	Working distance (mm)	DOF (mm)	Iris (F)	MTF>0.3 (lp/mm)	Telecentricity (°)
LS-XR-1CM1.5-110	non-coaxial	1.5	110	1mm	F11	120	<0.05
LS-XR-1CM1-110	non-coaxial	1	110	1.25mm	F7	120	<0.05
LS-XR-1CMA-110C	coaxial	1	110	1.25mm	F7	120	<0.05
LS-XR-1CM1-220	non-coaxial	1	220	0.68mm	F8.3	145	<0.05
LS-XR-1CM1-178	non-coaxial	1	178	1.5mm	F11	110	<0.03

More values per model (Optical distortion (%), Max object field of view (mm), Object field of view 1" (12.8x9.6) (mm), Object field of view 1.1" (14.2x10.4) (mm), Sensor format, Aperture) are on each product page.