

35 mm full-frame bi-telecentric lenses (S35DA series list)

LS-TC-1 series · Telecentric lenses · 15 models

Features

- Designed for large sensors.
- Supports 35 mm full-frame (44 mm) cameras and 65 MP / 71 MP cameras.
- Extreme imaging aperture, extraordinary aberration correction, diffraction-limited imaging resolution.
- Adjustable aperture, good telecentricity and near-zero distortion for high-quality imaging.

Applications

- AOI (automated optical inspection)
- Measurement



Common specifications

Mount	M58
Telecentric type	Bi-telecentric

Models

Model	Object field of view (dia. mm)	Magnification (x)	Working distance (mm)	Max sensor size (dia. mm)	Image-side F/#	Image-side MTF30 (lp/mm)	Theoretical depth of field (mm)
LS-S35DA5X8X60WCM-M58	8.8	5	60	35F(44mm)	13-32	74-31	0.04-0.1
LS-S35DA5X8X60WM-M58	8.8	5	60	35F(44mm)	13-32	74-31	0.04-0.1
LS-S35DA4X11F60WCM-M58	11	4	60	35F(44mm)	11-32	90-32	0.06-0.16
LS-S35DA4X11F60WM-M58	11	4	60	35F(44mm)	11-32	90-32	0.06-0.16
LS-S35DA3X14F60WCM-M58	14.6	3	60	35F(44mm)	8.8-32	106-33	0.08-0.28
LS-S35DA3X14F60WM-M58	14.6	3	60	35F(44mm)	8.8-32	106-33	0.08-0.28
LS-S35DA2X22F100WCM-M58	22	2	100	35F(44mm)	8-32	118-32	0.16-0.64
LS-S35DA2X22F100WM-M58	22	2	100	35F(44mm)	8-32	118-32	0.16-0.64
LS-S35DA1.5X29F93WCM-M58	29.3	1.5	93	35F(44mm)	7.6-32	120-32	0.29-1.1
LS-S35DA1X44F102WCM-M58	44	1	102	35F(44mm)	6.1-32	150-33	0.49-2.56
LS-S35DA1X44F102WM-M58	44	1	102	35F(44mm)	6.1-32	150-33	0.49-2.56
LS-S35DA053X82F338W-M58	82	0.53	338	43.4	10	>92	±1.4@F10
LS-S35DA053X82F338WC-M58	82	0.53	338	43.4	10	>92	±1.4@F10
LS-S35DA046X94F378W-M58	94	0.462	378	43.4	8	>115	±1.5@F8.0
LS-S35DA046X94F378WC-M58	94	0.462	378	43.4	8	>115	±1.5@F8.0

More values per model (Image-side distortion (% max), Object-side telecentricity (deg max), Object-to-image distance I/O (mm), Numerical aperture NA, Object-side resolution (μm), Total length TTL (mm), Net weight (kg), Manual iris, Coaxial illumination, Measured depth of field as shipped (mm), Object FOV (dia. mm), Supported sensor (dia. mm)...) are on each product page.