

1.1 inch macro 12 MP industrial lens

LS-12MP series · Lenses · 4 models



1.1 inch macro (microspur) 12 million pixel industrial lenses: short working distance, ultra low distortion (< 0.03%), dia. 18.4mm image, magnification 0.05 to 0.82 optional; can replace a telecentric lens.

Features

- Short working distance
- Anti-knock function
- Ultra low distortion < 0.03%
- dia. 18.4mm image
- Magnification from 0.05 to 0.82 optional
- Supports 12 million high resolution cameras
- Replaces telecentric lens

Applications

- AOI, SPI
- Semiconductor
- Fastener inspection
- SMT
- 3C
- Food and drug

Common specifications

Format	1.1"
Mount	C
Relative illuminance	>90%
Image space resolution	3.5 um
Resolution	12 MP

Ordering code: LS-<focal length><aperture>A-12MP

Models

Model	Focal length (mm)	Magnification range (X)	Aperture F/#	Distortion (%)	WD (mm)	Conjugate distance (mm)	Working distance (mm)
LS-2535A-12MP	25	0.1-0.4	1:3.5	<0.05	142	182.9	142.0
LS-3530A-12MP	35	0.25-0.7	1:3	<0.05	101.5	159.8	101.5
LS-5028A-12MP	50	0.46-0.82	1:2.8	<0.04	122	205.8	122.0
LS-7528A-12MP	75	0.24-0.48	1:2.8	<0.03	253	368.2	253.0

More values per model (Relative illuminance (%), Image space resolution (um), Supporting image sensor, Sensor format) are on each product page.

Performance

