

# High resolution line scan lens

LS-LH series · Line scan lenses · 1 model



Ultra-high-resolution line scan lens for 16K 5  $\mu$  / 3.5  $\mu$  line scan cameras, resolution up to 1  $\mu$ , distortion below 0.001%, dia. 82 image circle and high uniformity from the centre of the image to the edge; applied to OLED screen detection.

## Features

- Ultra-high resolution line scan lens
- Suitable for 16K5 $\mu$ /3.5 $\mu$  line scan cameras
- Resolution up to 1  $\mu$
- Distortion below 0.001%
- Max image circle dia. 82
- High uniformity from the center of the image to the edge
- Applied to OLED screen detection

## Applications

- Industrial: blemish / stain - detect defects and blemishes on steel plates
- Electronic component: yes / no - check the number of micro chips and poor imprint
- Electronic component: blemish / stain - detecting camera defects
- Electronic equipment: yes / no - detect poor binding and lead breakage of motor wires

## Common specifications

|              |         |
|--------------|---------|
| Focal length | 100mm   |
| F/NO         | 1.6-22  |
| Mount        | V-Mount |
| Distortion   | <0.01%  |

## Models

| Model      | EFL   | Standard magnification | Image size (dia.) | Optical distortion | Working distance | Conjugate distance | Flange distance |
|------------|-------|------------------------|-------------------|--------------------|------------------|--------------------|-----------------|
| LS-LH1635A | 100mm | 3.5X                   | dia. 82           | <0.01%             | 48.4             | 551.79             | 394.8           |

More values per model (Central resolution, Sensor format, Aperture) are on each product page.