

# 5MP S-mount low distortion board lens

LS-FS series · M12 board lenses · 6 models

5MP S-mount (M12 x P0.5) industrial board lenses with ultra-low distortion (<0.1%), compact design and high edge brightness; EFL range 3.37 mm to 25 mm; suitable for industrial inspection, barcode scanning, monitoring, video conferencing and sports cameras.

## Features

- Ultra-low distortion, <0.1%, 5MP
- Compact design
- Excellent optical performance, high brightness at the edge
- Suitable for industrial inspection, barcode scanning, monitoring, video conference, sports camera, etc.
- EFL range from 3.37mm to 25mm
- M12xP0.5 Mount

## Applications

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



## Common specifications

|                    |           |
|--------------------|-----------|
| Focal length range | 3.37-25mm |
| F/NO               | 2.8       |
| Mount              | M12xP0.5  |
| Distortion         | <0.1%     |
| Resolution         | 5MP       |

## Models

| Model      | EFL    | Image size (dia.) | Field of view angle 1/1.8" | Field of view angle 1/3" | FOV @ WD200 (H x V) | Distortion (TV) | MOD   |
|------------|--------|-------------------|----------------------------|--------------------------|---------------------|-----------------|-------|
| LS-FS0305A | 3.37mm | 1/2"              | 86° x 70°                  | 70° x 50°                | 400 x 300           | <1%             | 0.1m  |
| LS-FS0605A | 6mm    | 1/1.8"            | 60.6° x 46.6°              | 42.4° x 32.4°            | 243.2 x 182.4       | <0.5%           | 0.1m  |
| LS-FS0805A | 8mm    | 1/1.8"            | 47° x 35.6°                | 32.3° x 24.6°            | 178.9 x 134.2       | <0.3%           | 0.12m |
| LS-FS1205A | 12mm   | 1/1.8"            | 32.8° x 24.5°              | 22.2° x 16.7°            | 120.3 x 90.2        | <0.2%           | 0.1m  |
| LS-FS1605A | 16mm   | 1/1.8"            | 24.4° x 18.4°              | 17.1° x 12.3°            | 84.2 x 63.2         | <0.1%           | 0.1m  |
| LS-FS2505A | 25mm   | 1/1.8"            | 15.6° x 11.5°              | 10.5° x 7.8°             | 51.6 x 38.7         | <0.05%          | 0.2m  |

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