LSF Series

High Resolution and Wide Angle Lens for Area and Line Scan Camera

Excellent relative illumination  High resolution at whole working distance

- Design for high resolution and low distortion, stable performance at whole working distance
- Possible to use for small pixel size, 3.5 μ line scan camera
- Very low color aberration, compatible with 3-line camera
- LSF5028-F is possible to use at 0.3x without extension ring
- Wide angle, f25mm is available
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- Indicated specifications are design value.
- Customized mount is also available. Please contact us for further information.

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**Macro Lens for Area and Line Scan Camera**

Design for macro imaging, suitable for large area and line scan camera

1. Adjustable focus and iris
2. Design for macro imaging, suitable for machine vision application
3. Suitable for inspection of wafer, PCB, electronic parts, etc., required for high resolution at short working distance
4. FV8528L-F is compatible with M72 mount
5. Compatible with large image format of high resolution area camera

**FV-W Series**

Area and Line Scan Lens for Wide Field of View

1. Adjustable focus and iris
2. Design for infinite distance (\(\infty\)), suitable for wide field of view
3. Design for machine vision application
4. Suitable for various applications such as printing, large size of PCB and glass, textile, etc.
5. FV8528W is compatible with M72 mount
6. FV5026W is compatible with TFL-II mount
7. Compatible with large image format of high resolution area camera

---

### FV-L Series

**Macro Lens for Area and Line Scan Camera**

Design for macro imaging, suitable for large area and line scan camera

1. Adjustable focus and iris
2. Design for macro imaging, suitable for machine vision application
3. Suitable for inspection of wafer, PCB, electronic parts, etc., required for high resolution at short working distance
4. FV8528L-F is compatible with M72 mount
5. Compatible with large image format of high resolution area camera

### FV-W Series

Area and Line Scan Lens for Wide Field of View

1. Adjustable focus and iris
2. Design for infinite distance (\(\infty\)), suitable for wide field of view
3. Design for machine vision application
4. Suitable for various applications such as printing, large size of PCB and glass, textile, etc.
5. FV8528W is compatible with M72 mount
6. FV5026W is compatible with TFL-II mount
7. Compatible with large image format of high resolution area camera

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### Specifications

#### FV3526L-C
- **Magnification**: 35mm
- **f/No.**: 2.6
- **Range of WD**: 0.18m - 0.4m
- **Optical distortion**: -0.25%
- **Mount**: C

#### FV3526L-F
- **Magnification**: 35mm
- **f/No.**: 2.6
- **Range of WD**: 0.18m - 0.4m
- **Optical distortion**: -0.25%
- **Mount**: F

#### FV5026L-C
- **Magnification**: 50mm
- **f/No.**: 2.6
- **Range of WD**: 0.25m - 0.4m
- **Optical distortion**: -0.01%
- **Mount**: C

#### FV5026L-F
- **Magnification**: 50mm
- **f/No.**: 2.6
- **Range of WD**: 0.25m - 0.4m
- **Optical distortion**: -0.01%
- **Mount**: F

#### FV8526L-C
- **Magnification**: 85mm
- **f/No.**: 2.8
- **Range of WD**: 0.25m - 0.45m
- **Optical distortion**: -0.18%
- **Mount**: C

#### FV8526L-F
- **Magnification**: 85mm
- **f/No.**: 2.8
- **Range of WD**: 0.25m - 0.45m
- **Optical distortion**: -0.18%
- **Mount**: F

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### FV5026W-F

- **Focal length**: 50mm
- **Optical distortion**: 0.23%
- **Mount**: F
- **Range of WD**: 0.32m - \(\infty\)

### FV8528W-F

- **Focal length**: 85mm
- **Optical distortion**: 0.48%
- **Mount**: F or M72
- **Range of WD**: 0.46m - \(\infty\)

---

*Indicated specifications are design values. *□* = Mount: F = Nikon F Mount, M = Dalsa P2 (FB19.55mm), H = Dalsa P2-HS and P3 (FB6.56mm), N = NED ClisBee (FB31.8mm)