

MVL-LF3528M-F

Large Format $\Phi 43.2$ mm 35 mm Focal Length FA Lens

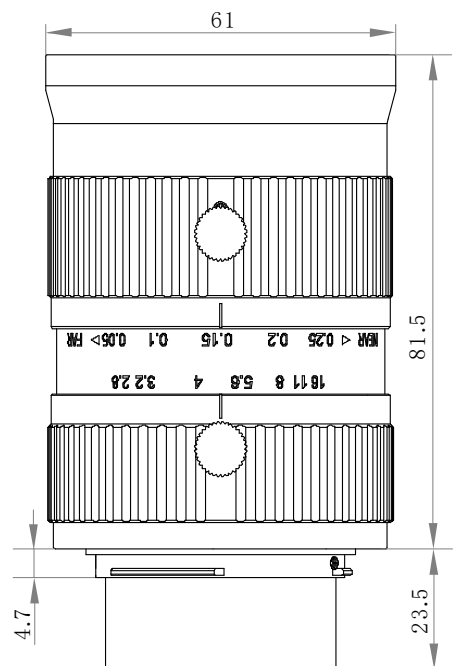
LF series large format FA Lens are optimized for machine vision light sources and sensors, with excellent imaging quality and high image uniformity, magnification range from 0.05 x to 0.25 x. It is suitable for high resolution machine vision industry applications.



Key Features

- Provides ultra-high consistency of image clarity.
- Provides ultra-low distortion and high peripheral brightness ratio.
- Provides image size $\Phi 43.2$ mm for large format area scan and 8k 5 μ m line scan cameras.
- Optimizes optical designs for magnification.

Dimension



Unit:mm

Specification

| | |
|-------------------------------|-----------------------------------|
| Model | MVL-LF3528M-F |
| Performance | |
| Focal length | 35 mm |
| F-number | F2.8 to F16 |
| Image size | Φ43.2 mm |
| Optical distortion | 0.40% |
| Magnification range | 0.25 x to 0.05 x |
| Working distance range | 129 mm to 728 mm |
| Mechanical | |
| Iris control | Manual |
| Focus control | Manual |
| Filter thread | M58 × 0.75 |
| Mount | F-mount |
| Flange back length | 46.5 mm |
| Dimension | Φ61 mm × 81.5 mm (Φ2.4" × 3.2") |
| Weight | 536 g (1.2 lb.) |
| Temperature | -10 °C to 50 °C (14 °F to 122 °F) |
| General | |
| Certification | RoHS 2.0 |

Field of View

| Working Distance (mm) | Magnification | Object Image Distance (mm) | Field of View H (36.17 mm) | Field of View V (24.11 mm) | Field of View H (8k 5 μm) |
|-----------------------|---------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 129 | 0.250 | 254 | 146.1 | 97.4 | 165.3 |
| 150 | 0.221 | 274 | 165.3 | 110.2 | 187.0 |
| 200 | 0.170 | 322 | 213.5 | 142.4 | 241.6 |
| 250 | 0.138 | 371 | 262.2 | 174.8 | 296.8 |
| 300 | 0.117 | 420 | 310.3 | 206.9 | 351.3 |
| 350 | 0.101 | 470 | 358.3 | 238.9 | 405.7 |
| 400 | 0.089 | 520 | 406.2 | 270.8 | 460.0 |
| 450 | 0.080 | 569 | 454.1 | 302.7 | 514.2 |
| 500 | 0.072 | 619 | 501.9 | 334.6 | 568.4 |
| 550 | 0.066 | 669 | 549.7 | 366.4 | 622.6 |
| 600 | 0.060 | 719 | 597.4 | 398.3 | 676.7 |
| 650 | 0.056 | 769 | 645.1 | 430.1 | 730.8 |
| 700 | 0.052 | 819 | 692.9 | 461.9 | 784.9 |
| 728 | 0.050 | 851 | 720.6 | 480.4 | 816.2 |

HIKROBOT

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