

ML-L12K5 Series

Lenses for High-Performance Line Sensor Cameras

The ML-L12K5A series is lenses for high-performance line sensors, which support elements of 61.4 mm long and 5 μm /12000 bits. For the base lenses, the lens barrel part is available in different types designed for each camera manufacturer. Also, the lens barrel part is equipped with a camera adjusting ring.

Applications

- Color filter inspection
- TFT inspection
- Substrate pattern inspection
- WEB inspection



○ Base Lens

ML-L1.2-12K5A	Magnification 1.2x WD=128.9mm	January 2009
ML-L1.4-12K5A	Magnification 1.4x WD=120mm	October 2008
ML-L1.75-12K5A	Magnification 1.75x WD=73mm	October 2008
ML-L2.4-12K5A	Magnification 2.4x WD=117mm *1	Under development
ML-L3-12K5A	Magnification 3x WD=112.6mm *1	Under development

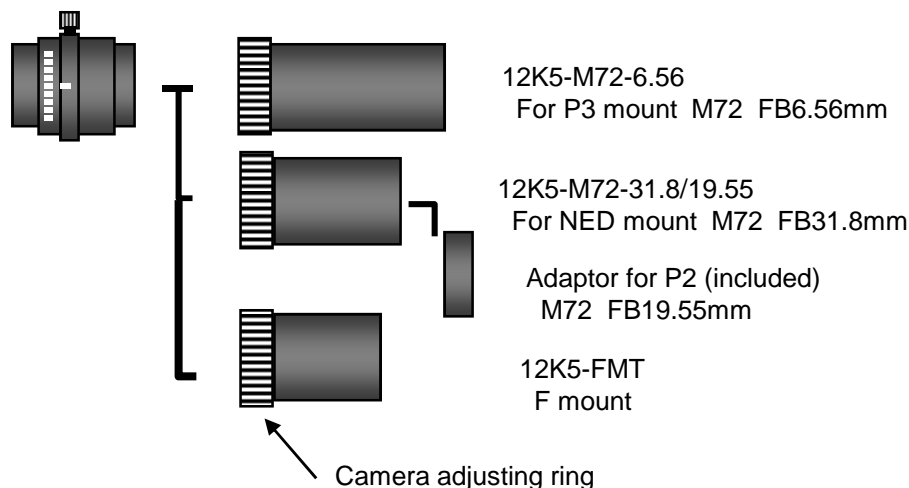
*1 The specification is subject to change.

○ Lens Barrel

12K5-M72-6.56	Dalsa P3 M72-specific mount	October 2008
12k5-M72-31.8/19.55	NED M72-specific mount / Dalsa P2 adaptor included	October 2008
12K5-FMT	F mount	December 2008

Base Lens

Lens Barrel



Product name	ML-L1.4-12K5A	ML-L1.75-12K5A
magnification	1.4x	1.75x
Working Distance	120mm	73mm
Resolution	3.3 μ m	2.9 μ m
Depth of field	0.032mm	0.024mm
Focal length	100mm	101mm
NA	0.1	0.12
Effective FNO	F6.83 - 19.1	F7.4 - 24
TV distortion	-0.10%	0.10%
Object to Imager	370	310.1
Diameter ϕ	75	75
Weight	450 g	450g
Image field	ϕ 61.4mm	ϕ 61.4mm

