



PMS-LLA02-3528M

4K 35mm Line Scan Industrial Lens

High-resolution line-scan optics with a maximum 32 mm image circle, 7 μm resolution, <0.05% distortion and selectable 0.05X, 0.20X, 0.25X magnification

- Ø32 mm Image Circle
- 7 μm Resolution
- <0.05% Distortion
- M42 / M72 / F-Mount

KEY FEATURES

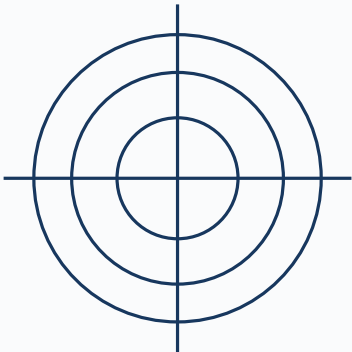
- High-resolution optical design with a maximum Ø32 mm image circle
- Compatible with 7 μm line-scan cameras
- High uniformity, <0.05% distortion and 7 μm optical resolution
- Designed for machine vision and industrial automation

TECHNICAL PARAMETERS

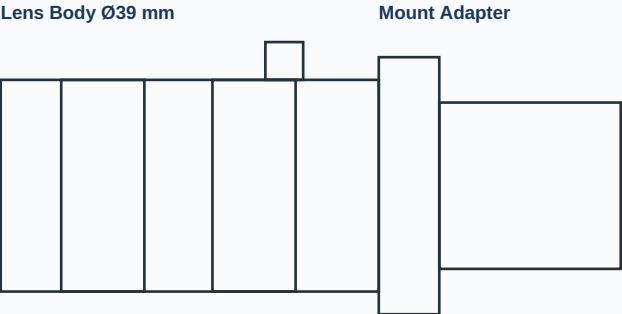
Parameter	0.05X	0.20X	0.25X
Model	PMS-LLA02-3528M	PMS-LLA02-3528M	PMS-LLA02-3528M
Maximum Image Circle	Ø32 mm	Ø32 mm	Ø32 mm
Resolution	7 μm	7 μm	7 μm
Aperture	F2.8-F16	F2.8-F16	F2.8-F16
Focal Length	35 mm	35 mm	35 mm
Distortion	<0.05%	<0.05%	<0.05%
Relative Illumination	65%	65%	65%
Working Distance	245 mm	350 mm	152 mm
Conjugate Distance	318 mm	264 mm	229 mm
Mount Options	M42	M72	F-Mount

Selection note: A 4096-pixel line sensor with 7 μm pixels has an active line length of about 28.7 mm, which fits within the Ø32 mm image circle. Approximate object-side line width equals active sensor length divided by magnification.

MECHANICAL INTEGRATION REFERENCE



Front View



Reference optical length: 63.6 ± 5.0 mm
M42 configuration drawing; M72 and F-Mount options available
Exact flange dimensions should be confirmed for the selected camera mount

TYPICAL APPLICATIONS

LLA02-3528M

Defect Inspection

产品案例

Surface Texture & Color

PCB Defect Inspection

Circuit Trace Inspection

Manufacturer-Direct Selection Support

Provide the camera model, active line length, pixel size, required line field of view, working distance, line rate, mount and smallest defect. POMEAS can help review lens-camera compatibility before quotation.