

▪ Features

- The optimal design for line sensor cameras of $7\ \mu\text{m} \times 8\text{K}$ / $5\ \mu\text{m} \times 12\text{K}$.
- Large image size $\phi\ 62\text{mm}$ suitable for high resolution cameras.
- Wide range of magnification at 0.5x, 0.7x, 1.0x and 1.4x for various applications.
- Minimal distortion (0.0% at the standard magnification).
- High resolution and uniformity from the center to the edge of the lens.
- Best performance at a diaphragm opening position.
- Rotating mount mechanism enables you to align the lens at the best resolution direction.
- Lockable screws to fix an aperture required.
- RoHS compliant.

▪ Applications

- Inspection by high resolution line sensor cameras.
- FPD inspection.
- Fine pattern inspection – e.g. PCB.
- Printed materials inspection.
- Fine pattern inspection and detecting defects – e.g. TAB, sheets.

NikonRayfactVL0.5x



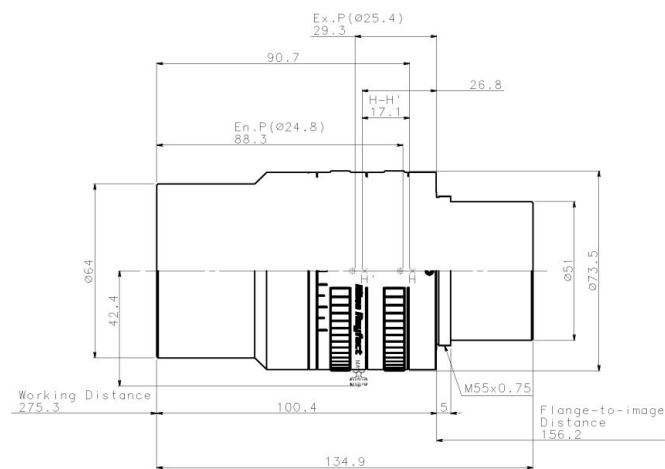
Specifications

Model	L-OFM05034MN
Focal length	122.0mm
F Number (∞)	F4.9
NA (Diaphragm open)	0.034
Magnification scale	-0.5x
Reference wavelength	546.07nm(e-line)
Wavelength range	400~700nm
Picture angle	19.4°
Image size	62mm ϕ
Object Size	124.0mm ϕ
Distortion	0.0% ※1
Relative illumination	92.9% ※1
Aperture scale	4.9,5.6,8,11 (With a click stop, short lines are 1/2 aperture) ※2
Object-to-image distance	531.9mm
Working distance	275.3mm
Mount size	M55(P=0.75)
Flange-to-image distance	156.2mm
Back focus	124.4mm
Attachment size	M55(P=0.75)
Diameter/length	73.5mm ϕ × 134.9mm ※3
Weight	Approximately 820g

※1 Image size 62mm ϕ at F4.9.

※2 Diaphragm scale indicated with indexes. No numeric indication.

※3 Dimension excludes protrusion of screws or other convex part.



NikonRayfactVL0.7x



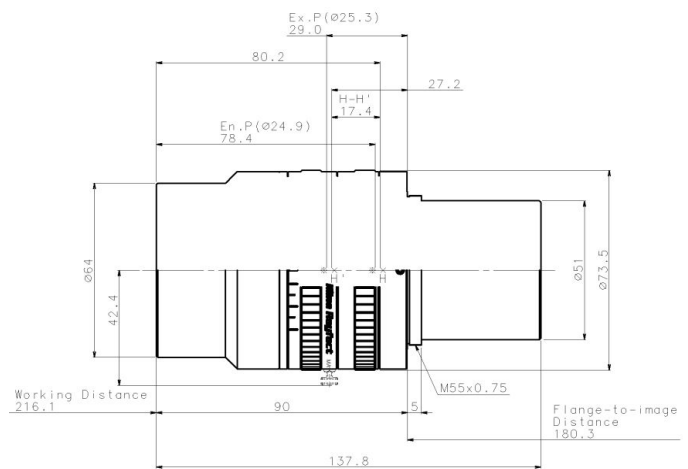
Specifications

Model	L-OFM07042MN
Focal length	122.0mm
F Number (∞)	F4.9
NA (Diaphragm open)	0.042
Magnification scale	-0.7x
Reference wavelength	546.07nm(e-line)
Wavelength range	400~700nm
Picture angle	17.1°
Image size	62mm ϕ
Object Size	88.6mm ϕ
Distortion	0.0% ※1
Relative illumination	94.3% ※1
Aperture scale	4.9,5.6,8,11 (With a click stop, short lines are 1/2 aperture) ※2
Object-to-image distance	486.4mm
Working distance	216.1mm
Mount size	M55(P=0.75)
Flange-to-image distance	180.3mm
Back focus	135.2mm
Attachment size	M55(P=0.75)
Diameter/length	73.5mm ϕ × 137.8mm ※3
Weight	Approximately 780g

※1 Image size 62mm ϕ at F4.9.

※2 Diaphragm scale indicated with indexes. No numeric indication.

※3 Dimension excludes protrusion of screws or other convex part.



•Specifications unless any specific instructions are stated is at the standard magnification.

•Specifications are subject to change without prior notice.

ver3.2

NikonRavfactVL1.0x



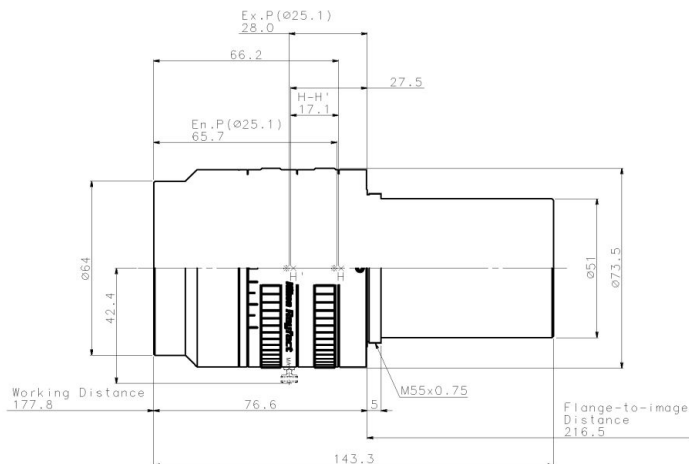
Specifications

Model	L-OFM10051MN
Focal length	122.0mm
F Number (∞)	F4.9
NA (Diaphragm open)	0.051
Magnification scale	-1.0x
Reference wavelength	546.07nm(e-line)
Wavelength range	400~700nm
Picture angle	14.5°
Image size	62mm ϕ
Object Size	ϕ 62.0mm
Distortion	0.0% ※1
Relative illumination	95.6% ※1
Aperture scale	4.9,5,6,8,11 (With a click stop, short lines are 1/2 aperture) ※2
Object-to-image distance	470.9mm
Working distance	177.8mm
Mount size	M55(P=0.75)
Flange-to-image distance	216.5mm
Back focus	152.5mm
Attachment size	M55(P=0.75)
Diameter/length	73.5mm ϕ × 143.3mm ※3
Weight	Approximately 840g

※1 Image size 62mm ϕ at F4.9.

※2 Diaphragm scale indicated with indexes. No numeric indication.

※3 Dimension excludes protrusion of screws or other convex part.



NikonRavfactVL1.4x



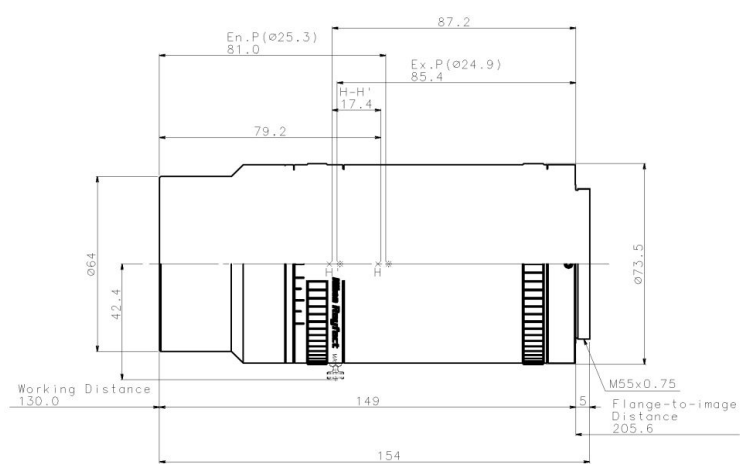
Specifications

Model	L-OFM14060MN
Focal length	122.0mm
F Number (∞)	F4.9
NA (Diaphragm open)	0.06
Magnification scale	-1.4x
Reference wavelength	546.07nm(e-line)
Wavelength range	400~700nm
Picture angle	12.0°
Image size	62mm ϕ
Object Size	ϕ 44.3mm
Distortion	0.0% ※1
Relative illumination	96.8% ※1
Aperture scale	4.9,5,6,8,11 (With a click stop, short lines are 1/2 aperture) ※2
Object-to-image distance	484.6mm
Working distance	130.0mm
Mount size	M55(P=0.75)
Flange-to-image distance	205.6mm
Back focus	220.6mm
Attachment size	M55(P=0.75)
Diameter/length	73.5mm ϕ × 154mm ※3
Weight	Approximately 920g

※1 Image size 62mm ϕ at F4.9.

※2 Diaphragm scale indicated with indexes. No numeric indication.

※3 Dimension excludes protrusion of screws or other convex part.



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•Specifications are subject to change without prior notice.

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