

Industrial Lens catalog spec list

2-Dec-2009

International Technical Exhibition on Image Technology and Equipment

Article name	製品名	High-Performance Lens for Line Sensors					
		Nikon Rayfact 7X		Nikon Rayfact 3.5X	Nikon Rayfact 2.35×	Nikon Rayfact 2X	
Model	型番	OFM70350HN-TS	OFM70350HN-TP	OFM35162MN	OFM24012MN	OFM20119MN	
		(Directpipe type)	(Coaxial falling illumination type)		Production on order	(-2.0X use)	(-0.5X use)
Forcal length	焦点距離	Both sides telecentric	Both sides telecentric	127.0mm	95.12mm	95.02mm	95.02mm
Aperture range	絞り範囲	Fixed aperture	Fixed aperture	2.4～11	2.8～11	2.8～11	2.8～11
Standard magnification	基準倍率	-7.0X	-7.0X	-3.5X	-2.35×	-2.0X	-0.5X
Standard wavelength	基準波長	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)
Correction wavelength range	使用波長域	510nm～590nm	510nm～590nm	400nm～700nm	400nm～800nm	400nm～800nm	400nm～800nm
Distotion	歪曲収差	0% (at 64mmφ)	0% (at 64mmφ)	0% (at 64mmφ)	0% (at 64mmφ)	0% (at 64mmφ)	0%
Neighboring illumination ratio	周辺照度比	103% (at 64mmφ)	103% (at 64mmφ)	98% (at 64mmφ)	More than 70% (at 64mmφ)	More than 70% (at 64mmφ)	More than 70% (at 32mmφ)
Original size	物体サイズ'	9.1mmφ	9.1mm	18.3mmφ	27.74mmφ	32.0mmφ	64.0mmφ
Image size	イメージサイズ'	64.0mmφ	64.0mm	64.0mmφ	64.0mmφ	64.0mmφ	32.0mmφ
Working distance	ワーキングディスタンス	54.8mm	54.8mm	70.8mm	79.5mm	87.0mm	212.4mm
Mount size	マウント	M72 P=0.75mm	M72 P=0.75mm	M67 P=0.75mm	M45 P=0.75mm	M45 P=0.75mm	M45 P=0.75mm
Flange focal distance	フランジバック	19.55mm	19.55mm	505mm	254.5mm	220.4mm	124.9mm
Diameter/length	外形寸法	145mmφ×544.4mm	119.5mm□×555.1mm (145mmφ flange)	73mmφ×145.7mm	57mmφ×94.2mm	57mmφ×98.2mm	57mmφ×98.2mm
Weight	質量	Approx. 6.7kg	Approx. 9.5kg	Approx. 1.1kg	Approx. 420g	Approx. 360g	Approx. 360g

Article name	製品名	High-Performance Lens for Line Sensors					
		Nikon Rayfact 1.75×	Nikon Rayfact 1X	Nikon Rayfact VL0.5X	Nikon Rayfact VL0.7X	Nikon Rayfact VL1X	Nikon Rayfact VL1.4X
Model	型番	OFM181113MN	OFM10090MN	L-OFM05034MN	L-OFM07042MN	L-OFM10051MN	L-OFM14060MN
Memo	備考	Production on order	-	-	-	-	-
Forcal length	焦点距離	100.2mm	104.49mm	122.0mm	122.0mm	122.0mm	122.0mm
Aperture range	絞り範囲	2.8～11	2.8～11	4.9～11	4.9～11	4.9～11	4.9～11
Standard magnification	基準倍率	-1.75×	-1X	-0.5X	-0.7X	-1X	-1.4X
Standard wavelength	基準波長	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)
Correction wavelength range	使用波長域	400nm～800nm	400nm～800nm	400nm～700nm	400nm～700nm	400nm～700nm	400nm～700nm
Distotion	歪曲収差	0% (at 64mmφ)	0% (at 60mmφ)	0% (at 62mmφ)	0% (at 62mmφ)	0% (at 62mmφ)	0% (at 62mmφ)
Neighboring illumination ratio	周辺照度比	More than 65% (at 64mmφ)	More than 62% (at 60mmφ)	More than 87% (at 62mmφ)	More than 89% (at 62mmφ)	More than 90% (at 62mmφ)	More than 91% (at 62mmφ)
Original size	物体サイズ'	36.57mmφ	60mmφ	124.0mmφ	88.6mmφ	62.0mmφ	44.3mmφ
Image size	イメージサイズ'	64mmφ	60mmφ	62.0mmφ	62.0mmφ	62.0mmφ	62.0mmφ
Working distance	ワーキングディスタンス	92.6mm	140.1mm	275.3mm	216.1mm	177.8mm	130.0mm
Mount size	マウント	M45 P=0.75mm	M45 P=0.75mm	M55 P=0.75mm	M55 P=0.75mm	M55 P=0.75mm	M55 P=0.75mm
Flange focal distance	フランジバック	222.5mm	189.8mm	156.2mm	180.3mm	216.5mm	205.6mm
Diameter/length	外形寸法	57mmφ×99.6mm	57mmφ×107.3mm	73.5mmφ×134.9mm	73.5mmφ×137.8mm	73.5mmφ×143.3mm	73.5mmφ×154mm
Weight	質量	Approx. 350g	Approx. 400g	Approx. 820g	Approx. 780g	Approx. 840g	Approx. 920g

Article name	製品名	High-Performance Lens for Line Sensors			High-Performance Industrial Lens		
		Nikon Rayfact VW0.14	Nikon Rayfact VW0.25	Nikon Rayfact VW0.35	Nikon Rayfact 80mm F4	Nikon Rayfact 80mm F4	Nikon Rayfact 80mm F4
Model	型番	L-OFM014012MN	L-OFM025020MN	L-OFM035026MN	QVM05041MF	QVM07052MF	QVM10065MF
Memo	備考	New product	New product	New product	-	Production on order	Production on order
Forcal length	焦点距離	125.5mm	124.9mm	125.2mm	81.9mm	82.7mm	83.3mm
Aperture range	絞り範囲	4.9～11	4.9～11	4.9～11	4～8	4～8	4～8
Standard magnification	基準倍率	-0.14X	-0.25X	-0.35X	-0.47X	-0.7X	-1.0X
Standard wavelength	基準波長	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)	546.07nm(E-line)
Correction wavelength range	使用波長域	400nm～700nm	400nm～700nm	400nm～700nm	400nm～700nm	400nm～700nm	400nm～700nm
Distotion	歪曲収差	0.0% (at -0.14X)	-0.1% (at -0.25X)	-0.1% (at -0.35X)	-0.09% (at -0.4X)	-0.08% (at -0.7X)	-0.06% (at -1.0X)
Neighboring illumination ratio	周辺照度比	More than 90% (at 62mmφ)	More than 90% (at 62mmφ)	More than 90% (at 62mmφ)	More than 90%	More than 90%	More than 90%
Original size	物体サイズ'	442.9mmφ	248.0mmφ	177.1mmφ	76.6mmφ	51.4mmφ	36.0mmφ
Image size	イメージサイズ'	62.0mmφ	62.0mmφ	62.0mmφ	36.0mmφ	36.0mmφ	36.0mmφ
Working distance	ワーキングディスタンス	960.2mm	562.9mm	419.8mm	217.6mm	160.5mm	124.8mm
Mount size	マウント	M55 P=0.75mm	M55 P=0.75mm	M55 P=0.75mm	F mount	F mount	F mount
Flange focal distance	フランジバック	120.0mm	133.9mm	147.5mm	46.5mm	46.5mm	46.5mm
Diameter/length	外形寸法	73.5mmφ×98.7mm	73.5mmφ×97.7mm	73.5mmφ×97.7mm	63.4mmφ×100.8mm	63.4mmφ×121.2mm	63.4mmφ×146.9mm
Weight	質量	Approx. 740g	Approx. 740g	Approx. 740g	Approx. 440g	Approx. 460g	Approx. 490g

Article name	製品名	High-Performance Industrial Lens	Industrial Lens			Lens for Ultraviolet Photography
		Nikon Rayfact 25mm F1.4	Nikon Rayfact IL40mm	Nikon Rayfact IL50mm	Nikon Rayfact IL63mm	UV-105mm F4.5
Model	型番	SF2514MC	PF4040ML	PF5028ML	OF6328ML	PF10545MF-UV
Forcal length	焦点距離	25.31mm	40.1mm	52.1mm	63.0mm	105mm
Aperture range	絞り範囲	1.4～16	4～22	2.8～16	2.8～16	4.5～32
Standard magnification	基準倍率	-0.07X	-0.1X	-0.125X	-0.125X	-0.033X
Standard wavelength	基準波長	587.56nm(d-line)	587.56nm(d-line)	587.56nm(d-line)	587.56nm(d-line)	587.56nm(d-line)
Correction wavelength range	使用波長域	400nm～700nm	380nm～700nm	380nm～700nm	380nm～700nm	220nm～900nm
Distotion	歪曲収差	-1.39%	-0.27% (at -0.1X)	-0.48% (at -0.125X)	0.12% (at -0.125X)	-0.23%
Neighboring illumination ratio	周辺照度比	64.1%	55.3% (at -0.1X)	48% (at -0.125X)	44% (at -0.125X)	51.4%
Original size	物体サイズ'	157.1mmφ	432.0mmφ	345.6mmφ	441.6mmφ	1308.0mmφ
Image size	イメージサイズ'	11.0mmφ	43.2mmφ	43.2mmφ	55.2mmφ	43.2mmφ
Working distance	ワーキングディスタンス	2937mm～183.8mm	419.5mm	437.0mm	542.8mm	∞～274.1mm
Mount size	マウント	C mount	d=39mm 1/P=26 (Lica screw)	d=39mm 1/P=26 (Lica screw)	d=39mm 1/P=26 (Lica screw)	F mount
Flange focal distance	フランジバック	17.526mm	47.0mm	49.1mm	62.8mm	46.5mm
Diameter/length	外形寸法	46mmφ×53.8mm	51.2mmφ×42mm	51.2mmφ×39.3mm	51mmφ×42.5mm	68.5mmφ×116.3mm
Weight	質量	Approx. 150g	Approx. 125g	Approx. 130g	Approx. 145g	Approx. 515g

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