

VISIBLE + SWIR IMAGE SENSOR FIXED FOCAL LENS

NEW

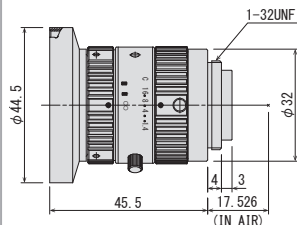
ViSWIR Lite

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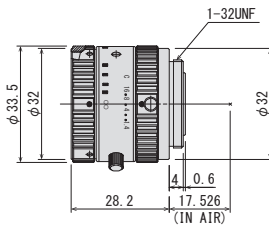


Model No.	Format	Focal Length	F-No.	Working Distance	Distortion	Weight
H0514-VSW	1/2"	5mm	F1.4	0.1m - Inf.	-0.48%(y=4.0)	102g
M0814-VSW	2/3"	8mm		0.1m - Inf.	-0.1%(y=5.5)	62g
M1214-VSW		12mm		0.15m - Inf.	-0.1%(y=5.5)	61g
M1614-VSW		16mm		0.3m - Inf.	-0.1%(y=5.5)	60g
M2514-VSW		25mm		0.3m - Inf.	-0.3%(y=5.5)	71g
M3514-VSW		35mm	F1.8	0.3m - Inf.	-0.8%(y=5.5)	87g
M5018-VSW		50mm		0.5m - Inf.	-0.3%(y=5.5)	85g

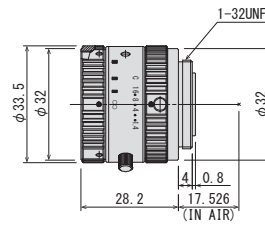
H0514-VSW



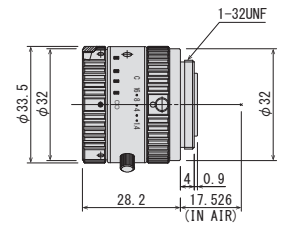
M0814-VSW



M1214-VSW



M1614-VSW

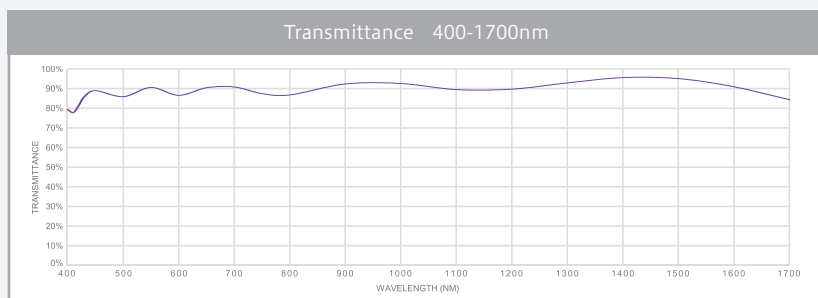


Focal Length		5mm						8mm						12mm						16mm					
Max. Aperture Ratio		1:1.4						1:1.4						1:1.4						1:1.4					
Max. Image Format		6.40mm × 5.12mm (ϕ 8.20mm)						8.8mm × 6.6mm (ϕ 11mm)						8.8mm × 6.6mm (ϕ 11mm)						8.8mm × 6.6mm (ϕ 11mm)					
Wavelength Range		400nm - 1700nm						400nm - 1700nm						400nm - 1700nm						400nm - 1700nm					
Operation Range	Iris	F1.4 - 16C						F1.4 - F16C						F1.4 - F16C						F1.4 - F16C					
	Focus	0.1m - 0.9m						0.1m - Inf.						0.15m - Inf.						0.3m - Inf.					
Control	Iris	Manual						Manual						Manual						Manual					
	Focus	Manual						Manual						Manual						Manual					
Angle of View	D	IMX990	77.8°	IMX991	44.6°	1/2"	76.7°	IMX990	53.0°	IMX991	27.9°	2/3"	67.1°	IMX990	37.8°	IMX991	19.4°	2/3"	49.2°	IMX990	28.8°	IMX991	14.6°	2/3"	38.0°
	H	6.40mm ×	65.5°	3.20mm ×	35.3°		65.5°	6.40mm ×	42.5°	3.20mm ×	21.9°		56.3°	6.40mm ×	30.0°	3.20mm ×	15.2°		40.4°	6.40mm ×	22.7°	3.20mm ×	11.4°		30.8°
	V	5.12mm	54.5°	2.56mm	28.5°		51.4°	5.12mm	34.5°	2.56mm	17.6°		43.7°	5.12mm	24.1°	2.56mm	12.2°		30.8°	5.12mm	18.2°	2.56mm	9.2°		23.4°
Operating Temperature		-10°C ~ +50° C						-10°C ~ +50° C						-10°C ~ +50° C						-10° C ~ +50° C					

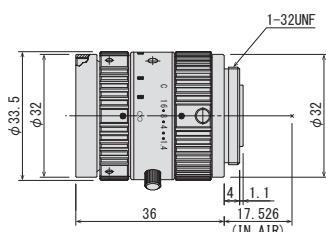
Optical Distortion	1/2"	-0.48%	1/3"	-2.26%	2/3"	-0.1%	1/2"	-1.1%	2/3"	-0.1%	1/2"	-0.35%	2/3"	-0.1%	1/2"	-0.3%
Back Focal Length	10.8mm				13.1mm				13.1mm				13.1mm			
Flange Back Length	17.526mm				17.526mm				17.526mm				17.526mm			
Mount	C-Mount				C-Mount				C-Mount				C-Mount			
Filter Size	M43 P=0.75mm				M30.5 P=0.5mm				M30.5 P=0.5mm				M30.5 P=0.5mm			
Dimensions	φ44.5mm × 45.5mm				φ33.5mm × 28.2mm				φ33.5mm × 28.2mm				φ33.5mm × 28.2mm			
Weight	102g				62g				61g				60g			

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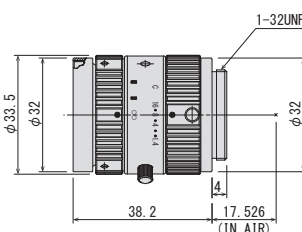
- High transmittance at entire wavelength of 400nm-1700nm by adopting hyper wideband AR coat
- Outstanding cost-performance for single-wavelength lighting and narrow-band imaging
- Series includes 5mm, 8mm, 12mm, 16mm, 25mm, 35mm, and 50mm focal lengths
- The NIR-absorbent coating prevents light scattering and provides clear image quality
- Compact design



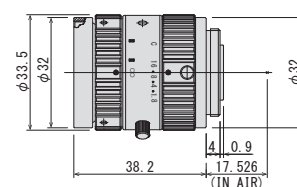
M2514-VSW



M3514-VSW



M5018-VSW



Focal Length		25mm						35mm						50mm					
Max. Aperture Ratio		1:1.4						1:1.4						1:1.8					
Max. Image Format		8.8mm × 6.6mm (ϕ 11mm)						8.8mm × 6.6mm (ϕ 11mm)						8.8mm × 6.6mm (ϕ 11mm)					
Wavelength Range		400nm - 1700nm						400nm - 1700nm						400nm - 1700nm					
Operation Range	Iris	F1.4 - F16C						F1.4 - F16C						F1.8 - F16C					
	Focus	0.3m - Inf.						0.3m - Inf.						0.5m - Inf.					
Control	Iris	Manual						Manual						Manual					
	Focus	Manual						Manual						Manual					
Angle of View	D	IMX990	18.6°	IMX991	9.4°	2/3"	24.9°	IMX990	13.7°	IMX991	6.9°	2/3"	17.3°	IMX990	9.8°	IMX991	4.9°	2/3"	13.1°
	H	6.40mm x 5.12mm	14.6°	3.20mm x 2.56mm	7.3°		20.0°	6.40mm x 5.12mm	10.7°	3.20mm x 2.56mm	5.4°		13.9°	6.40mm x 5.12mm	7.6°	3.20mm x 2.56mm	3.8°		10.5°
	V		11.7°		5.9°		15.1°		8.6°		4.3°		10.4 °		6.1°		3.1°		7.9°
Operating Temperature		-10° C ~ +50° C						-10° C ~ +50° C						-10° C ~ +50° C					
Optical Distortion		2/3"	-0.3%	1/2"	-0.1%		2/3"	-0.8%	1/2"	-0.39%		2/3"	-0.3%	1/2"	-0.2%				
Back Focal Length		13.1mm						17.1mm						13.1mm					
Flange Back Length		17.526mm						17.526mm						17.526mm					
Mount		C-Mount						C-Mount						C-Mount					
Filter Size		M30.5 P=0.5mm						M30.5 P=0.5mm						M30.5 P=0.5mm					
Dimensions		ϕ33.5mm × 36mm						ϕ33.5mm × 38.2mm						ϕ33.5mm × 38.2mm					
Weight		71g						87g						85g					