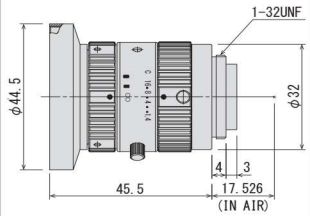
NEW

VISWIR Lite

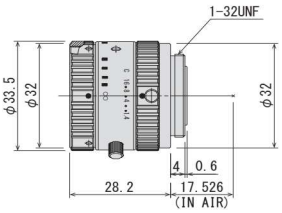
VISIBLE + SWIR IMAGE SENSOR FIXED FOCAL LENS

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		0.3m - Inf.	-0.8%(y=5.5)	87g
M5018-VSW		50mm	F1.8	0.5m - Inf.	-0.3%(y=5.5)	85g

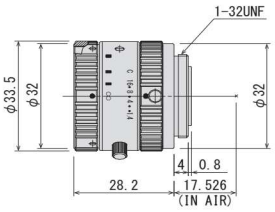
H0514-VSW



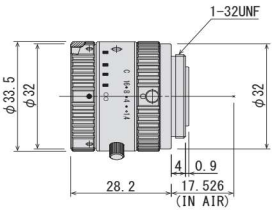
M0814-VSW



M1214-VSW



M1614-VSW

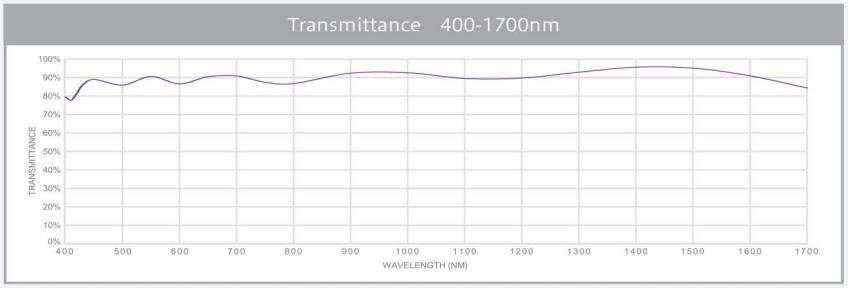


		5mm	8mm	12mm	16mm
Focal Length		5mm	8mm	12mm	16mm
Max. Aperture Ratio		1:1.4	1:1.4	1:1.4	1:1.4
Max. Image Format		6.40mm × 5.12mm (ϕ 8.20mm)	8.8mm × 6.6mm (ϕ 11mm)	8.8mm × 6.6mm (ϕ 11mm)	8.8mm × 6.6mm (ϕ 11mm)
Wavelength Range		400nm - 1700nm	400nm - 1700nm	400nm - 1700nm	400nm - 1700nm
Operation Range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

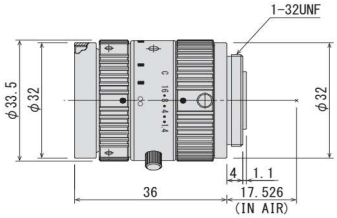
Optical Distortion	1/2"	-0.48%	1/3"	-2.26%	2/3"	-0.1%	1/2"	-1.1%	2/3"	-0.1%	1/2"	-0.35%	2/3"	-0.1%	1/2"	-0.3%
Back Focal Length	10.8mm				13.1mm				13.1mm				13.1mm			
Flange Back Length	17.526mm				17.526mm				17.526mm				17.526mm			
Mount	C-Mount				C-Mount				C-Mount				C-Mount			
Filter Size	M43 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			

- 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

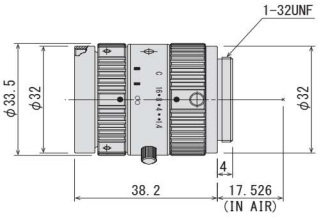
1/2" 2/3" | Visible +SWIR | MANUAL FIX



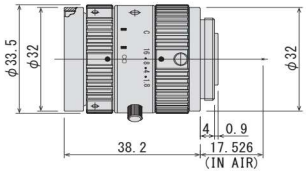
M2514-VSW



M3514-VSW



M5018-VSW



		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 6.40mm × 5.12mm	18.6°	IMX991 3.20mm × 2.56mm	9.4°	2/3"	24.9°	IMX990 6.40mm × 5.12mm	13.7°	IMX991 3.20mm × 2.56mm	6.9°	2/3"	17.3°	IMX990 6.40mm × 5.12mm	9.8°	IMX991 3.20mm × 2.56mm	4.9°	2/3"	13.1°
	H		14.6°		7.3°		20.0°		10.7°		5.4°		13.9°		7.6°		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					