

VISIBLE + SWIR IMAGE SENSOR FIXED FOCAL LENS

NEW

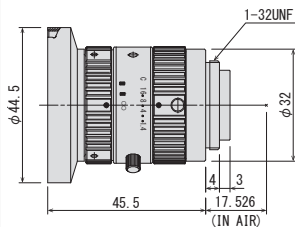
VISIR Lite

VISIBLE + SWIR IMAGE SENSOR FIXED FOCAL LENS

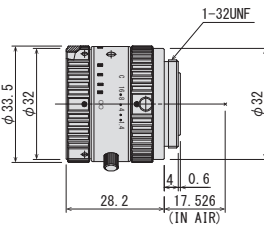


Model No.	Format	Focal Length	F-No.	Working Distance	Distortion	Weight
H0514-VSW	1/2"	5mm	F1.4	0.1m - Inf.	-0.48%(y=4.0)	102g
M0814-VSW	2/3"	8mm		0.1m - Inf.	-0.1%(y=5.5)	62g
M1214-VSW		12mm		0.15m - Inf.	-0.1%(y=5.5)	61g
M1614-VSW		16mm		0.3m - Inf.	-0.1%(y=5.5)	60g
M2514-VSW		25mm		0.3m - Inf.	-0.3%(y=5.5)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

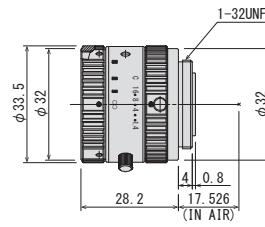
H0514-VSW



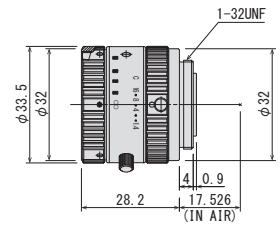
M0814-VSW



M1214-VSW



M1614-VSW



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

1/2"

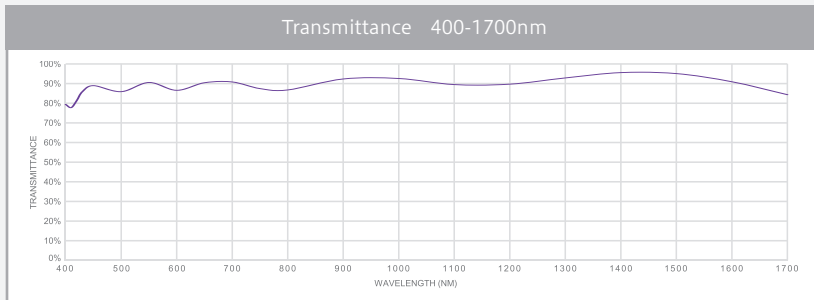
Visible
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MANUAL

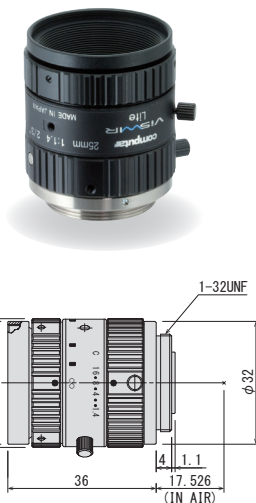
2/3"

Visible
+SWIR

FIX



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					Iris	F1.4 - F16C					Iris	F1.8 - F16C					
	Focus	0.3m - Inf.					Focus	0.3m - Inf.					Focus	0.5m - Inf.					
Control	Iris	Manual					Iris	Manual					Iris	Manual					
	Focus	Manual					Focus	Manual					Focus	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 × 5.12mm	14.6°	3.20mm × 2.56mm	7.3°		20.0°	6.40mm × 5.12mm	10.7°	3.20mm × 2.56mm	5.4°		13.9°	6.40mm × 5.12mm	7.6°	3.20mm × 2.56mm	3.8°		10.5°
	V		11.7°		5.9°		15.1°		8.6°		4.3°		10.4°		6.1°		3.1°		
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								