



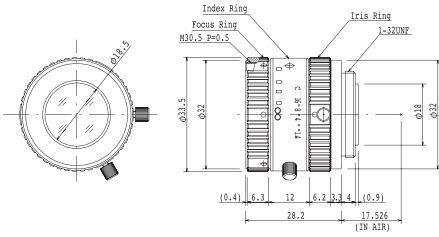
# SWIR (Short-Wave Infrared) LENS

- Designed for SWIR (800-1700nm) range
- Compact & light weight

- Fast F-stop
- Covers 640 x 512, 15µm sensor

## M1614-SW

- 2/3"
- SWIR
- FIX
- MANUAL



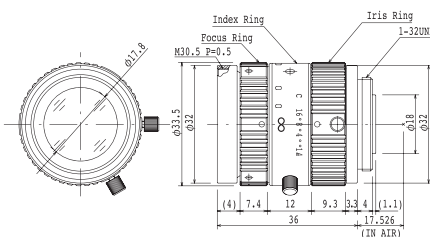
Focal Length	16mm			
Max. Aperture Ratio	1:1.4			
Max. Image Circle	φ 12.3mm			
Operation Range	Iris	F1.4 - F16C		
	Focus	0.3m - Inf.		
Control	Iris	Manual		
	Focus	Manual		
Angle of View	H	2/3"	37.7°	27.9°
		1/2"	30.6°	22.5°
	V		23.2°	16.9°
Operating Temperature	-10° C ~ +50° C			

Optical Distortion	2/3"	-0.5% (y=5.5)	1/2"	-0.5% (y=4.0)
Back Focal Length	13.3mm (Inf)			
Flange Back Length	17.526mm			
Mount	C-Mount			
Filter Size	M30.5 P=0.5mm			
Dimensions	φ 33.5mm x 28.2mm			
Weight	60g			

Angle of View (InGaAs Detector)	D	640 x 512	41.7°	320 x 256	35.3°	320 x 256	28.6°
	H	(Pixel Pitch : 15µm)	33.2°	(Pixel Pitch : 25µm)	27.9°	(Pixel Pitch : 20µm)	22.5°
	V	H9.60mm x V7.68mm	26.8°	H8.00mm x V6.40mm	22.5°	H6.40mm x V5.12mm	18.0°

## M2514-SW

- 2/3"
- SWIR
- FIX
- MANUAL



Focal Length	25mm			
Max. Aperture Ratio	1:1.4			
Max. Image Circle	φ 12.3mm			
Operation Range	Iris	F1.4 - F16C		
	Focus	0.3m - Inf.		
Control	Iris	Manual		
	Focus	Manual		
Angle of View	H	2/3"	24.7°	18.1°
		1/2"	19.8°	14.5°
	V		14.9°	10.9°
Operating Temperature	-10° C ~ +50° C			

Optical Distortion	2/3"	-0.5% (y=5.5)	1/2"	-0.2% (y=4.0)
Back Focal Length	13.4mm (Inf)			
Flange Back Length	17.526mm			
Mount	C-Mount			
Filter Size	M30.5 P=0.5mm			
Dimensions	φ 33.5mm x 36.0mm			
Weight	71.2g			

Angle of View (InGaAs Detector)	D	640 x 512	27.6°	320 x 256	23.0°	320 x 256	18.5°
	H	(Pixel Pitch : 15µm)	21.6°	(Pixel Pitch : 25µm)	18.1°	(Pixel Pitch : 20µm)	14.5°
	V	H9.60mm x V7.68mm	17.3°	H8.00mm x V6.40mm	14.5°	H6.40mm x V5.12mm	11.6°

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SWIR

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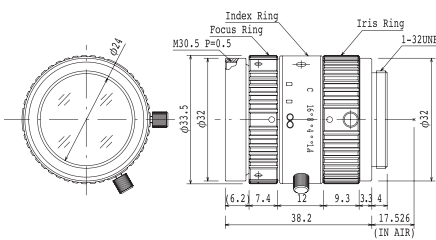
## M3514-SW

2/3"

SWIR

FIX

MANUAL



Focal Length	35mm				
Max. Aperture Ratio	1:1.4				
Max. Image Circle	φ 12.3mm				
Operation Range	Iris	F1.4 - F16C			
	Focus	0.3m - Inf.			
Control	Iris	Manual			
	Focus	Manual			
Angle of View	D		18.4°	13.4°	
	H	2/3"	14.7°	1/2"	10.7°
	V		11.1°		8.1°
Operating Temperature	-10° C ~ +50° C				

Optical Distortion	2/3"	-0.1% (y=5.5)	1/2"	-0% (y=4.0)
Back Focal Length	14.6mm			
Flange Back Length	17.526mm			
Mount	C-Mount			
Filter Size	M30.5 P=0.5mm			
Dimensions	φ 33.5mm x 38.2mm			
Weight	87g			

Angle of View (InGaAs Detector)	D	640 x 512	20.5°	320 x 256	17.1°	320 x 256	13.7°
	H	(Pixel Pitch : 15µm)	16.0°	(Pixel Pitch : 25µm)	13.4°	(Pixel Pitch : 20µm)	10.7°
	V	H9.60mm x V7.68mm	12.9°	H8.00mm x V6.40mm	10.7°	H6.40mm x V5.12mm	8.6°

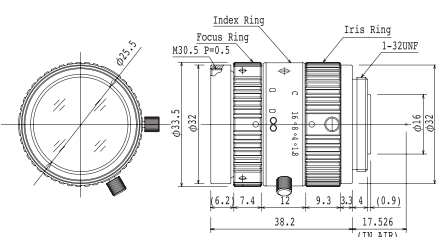
## M5018-SW

2/3"

SWIR

FIX

MANUAL



Focal Length	50mm				
Max. Aperture Ratio	1:1.8				
Max. Image Circle	φ 12.3mm				
Operation Range	Iris	F1.8 - F16C			
	Focus	0.6m - Inf.			
Control	Iris	Manual			
	Focus	Manual			
Angle of View	D		13.0°	9.5°	
	H	2/3"	10.4°	1/2"	7.6°
	V		7.8°		5.7°
Operating Temperature	-10° C ~ +50° C				

Optical Distortion	2/3"	-0.3% (y=5.5)	1/2"	-0.1% (y=4.0)
Back Focal Length	13.6mm			
Flange Back Length	17.526mm			
Mount	C-Mount			
Filter Size	M30.5 P=0.5mm			
Dimensions	φ 33.5mm x 38.2mm			
Weight	85g			

Angle of View (InGaAs Detector)	D	640 x 512	14.5°	320 x 256	12.1°	320 x 256	9.7°
	H	(Pixel Pitch : 15µm)	11.3°	(Pixel Pitch : 25µm)	9.5°	(Pixel Pitch : 20µm)	7.6°
	V	H9.60mm x V7.68mm	9.1°	H8.00mm x V6.40mm	7.6°	H6.40mm x V5.12mm	6.1°

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