

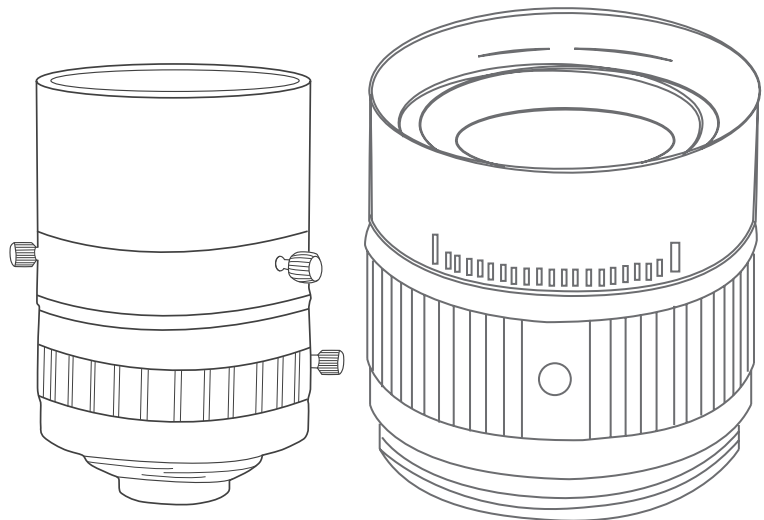


MACHINE VISION

SWIR LENSES / UV LENSES

The special feature of SWIR lenses imaging is that it can extract image details in darker shadows and can penetrate window glass for imaging.

UV lenses can be used in many focusing, collimating or laser applications that work in the ultraviolet spectral range. They are optical lenses composed of single or multiple elements, designed to have the best performance when used in ultraviolet light. Many optical lenses that perform well under ultraviolet light may also have strong performance in the visible, near-infrared, or infrared spectrum.



Subject to change without prior notice.

For more information, please contact our sales representatives.

SWIR LENSES



SWIR LENSES

FEATURES

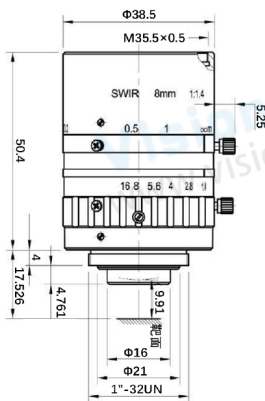
1. High performance, high resolution
2. Safe and non-heat design, C Mount
3. High reliability and high tightness
4. Special infrared materials and coating design to ensure high transmittance in the infrared band

SWIR LENSES

Part name	EFL(mm)	Aperture(F#)	Sensor Size	Wavelength (nm)	Field of View (D*H*V)	M.O.D. (m)	Mount
VT-LEM0814SWIR	8.5	F1.4	2/3"	/	61° /54.8° /42.8°	0.2	C-Mount
VT-LEM1214SWIR	12.5	F1.4	2/3"	/	46.8° /38.2° /29.2°	0.2	C-Mount
VT-LEM1614SWIR	16.3	F1.4	2/3"	/	36.6° /29.6° /22.4°	0.2	C-Mount
VT-LEM2514SWIR	25.9	F1.4	2/3"	900-1700	23.6° /19° /14.4°	0.2	C-Mount
VT-LEM3514SWIR	35	F1.4	2/3"	900-1700	17.44° /13.99° /10.51°	0.15	C-Mount
VT-LEM5020SWIR	50	F2.0	2/3"	900-1700	12.36° /9.92° /7.45°	0.4	C-Mount
VT-LEM0618SWIR-H1	6	F1.8-F22	1"	/	104.6°/95.1°/78.7°	0.1	C-Mount
VT-LEM0814SWIR-H1	8.32	F1.4	1"	900-1700	86.6°/75.22°/60.16°	0.3	C-Mount
VT-LEM1214SWIR-H1	12.25	F1.4-22	1"	/	66.83°/54.58°/44.10°	0.3	C-Mount
VT-LEM2514SWIR-H1	25	F1.49	1"	900-1700	36°/27.8°/21°	0.3	C-Mount
VT-LEM2518SWIR-H1	25	F1.8	1"	900-1700	35.49° /28.5° /21.74°	0.3	C-Mount
VT-LEM3514SWIR-H1	35	F1.4	1"	900-1700	31.2° /25.4° /18.7°	0.3	C-Mount
VT-LEM5014SWIR-H1	50	F1.4	1"	900-1700	18.18° /14.48° /10.97°	0.5	C-Mount
VT-LEM7525SWIR-H1	75	F2.5	1"	900-1700	9.08° /7.26° /5.45°	0.265-0.48	C-Mount
VT-LEM20040SWIR-H1	200	F4-22	1"	900-1700	4.57°x3.66°x2.75°	10	C-Mount
VT-LEM30040SWIR-H1	300	F4-22	1"	400-1700	3.06°x2.44°x1.83°	10	C-Mount
VT-LEM40056SWIR-H1	400	F5.6	1"	900-1700	2.29°X1.83°X1.37°	20	C-Mount
VT-LEM2520SWIR-H2	25	F2.0	28 mm	900-1700	48.04°/39.19°/29.8°	0.25	C-Mount
VT-LEM3514SWIR-H2	35	F1.4	4/3"	900-1700	31.2°/25.4°/18.7°	0.3	M42
VT-LEM5014SWIR-H2	50	F1.4	28.6 mm	900-1700	23.18°/18.66°/14.05°	0.3	M42 x 1
VT-LEM10021SWIR-H2	100	F2.1	25.6 mm	800-1700	14.33°/11.52°/8.72°	0.4	M42/C/F-Mount
VT-LEM1616022SWIR-H1	16 - 160	F2.2-Close	1"	900-1700	4.6 X 3.4°. at 160mm	1.1	C-Mount
VT-LEM2036060SWIR	20 - 360	F6-10	12.3 mm	400-1700	1.1X 0.84°. at 360mm	15	C-Mount
VT-LEM2050036SWIR	20- 500	F3.6-Close	1/1.8"	900-1700	0.84 X 0.63°. at 500mm	4	C-Mount
VT-LEM2075036SWIR	20- 750	F3.6-Close	1/1.8"	900-1700	0.6 X 0.4°. at 750mm	4	C-Mount
VT-LEM25120048SWIR	25 - 1200	F4.8 - 10	12.3 mm	400-1700	0.34 X 0.2°. at 1200mm	15	C-Mount
VT-LEN2509SWIR-S12	25	F0.9-16	12.6 mm	900-1700	/	0.2	C-Mount
VT-LEN3514SWIR-S23	35	F1.4-16	2/3"	900-1700	17.3°x13.9°x10.4°	0.15	C-Mount
VT-LEN5014SWIR-S23	50	F1.4-Close	2/3"	900-1700	13.04°x10.46°x7.86°	0.3	C-Mount
VT-LEN1214SWIR-H1.1	12.3	F1.4-16	1.1"	900-1700	71.2°x59.7°x46.6°	0.4	C-Mount
VT-LEN2528SWIR-H1.1	25	F2.8-22	1.1"	900-1700	37.6°x30.4°x23°	0.1	C-Mount
VT-LEN1218VSW-S12	12	F1.8-16	1/2"	400-1700	36.44°x29.02°x23.32°	0.1	C-Mount
VT-LEN1618VSW-S12	16	F1.8-16	1/2"	400-1700	28.14°x22.44°x17.98°	0.1	C-Mount
VT-LEN2518VSW-S12	25	F1.8-16	1/2"	400-1700	16.84°x13.44°x10.77°	0.1	C-Mount
VT-LEN3518VSW-S12	35	F1.8-16	1/2"	400-1700	9.71°x7.51°x5.94°	0.1	C-Mount

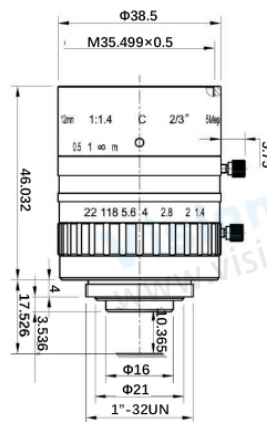
SWIR Lenses

VT-LEM0814SWIR



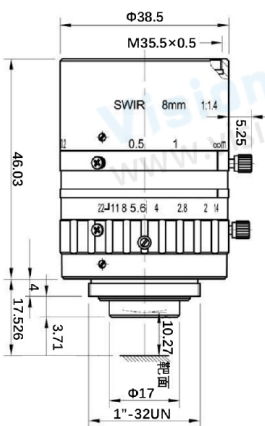
EFL (mm)	8.5
Aperture (F/#)	F1.4
Sensor Size	2/3"
FOV (D/H/V)	61°/54.8°/42.8°
BFL (mm)	9.91
TTL (mm)	65
Front/Rear Effective Dia. (mm)	Front : Ø24.9 Rear : Ø8.54
Max. CRA	16.38°
M.O.D. (m)	0.2
Distortion	<-1.2%
Filter Screw Size	M35.5×P0.5
Dimension (mm)	Ø38.5×50.4
Mount	C-Mount
Resolution	60lp/mm

VT-LEM1214SWIR



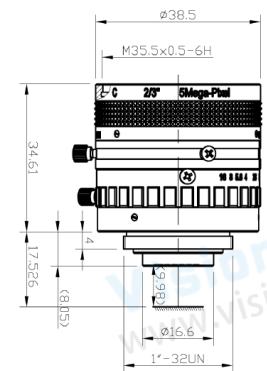
EFL (mm)	12.5
Aperture (F/#)	F1.4
Sensor Size	2/3"
FOV (D/H/V)	46.8°/38.2°/29.2°
BFL (mm)	10.4
TTL (mm)	60.5
Front/Rear Effective Dia. (mm)	Front : Ø20.44 Rear : Ø8.63
Max. CRA	16.44°
M.O.D. (m)	0.2
Distortion	<-0.4%
Filter Screw Size	M35.5×P0.5
Dimension (mm)	Ø38.5×64.032 mm
Mount	C-Mount
Resolution	40lp/mm

VT-LEM1614SWIR



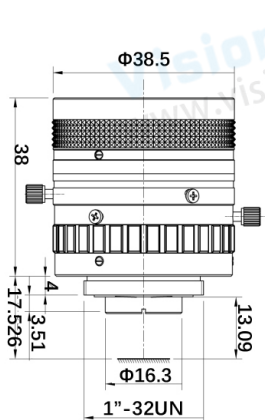
EFL (mm)	16.3
Aperture (F/#)	F1.4
Sensor Size	2/3"
FOV (D/H/V)	36.6°/29.6°/22.4°
BFL (mm)	10.27
TTL (mm)	59.2
Front/Rear Effective Dia. (mm)	Front : Ø19.35; Rear : Ø9.43
Max. CRA	15.59°
M.O.D. (m)	0.2
Distortion	<-0.4%
Filter Screw Size	M35.5×P0.5
Dimension (mm)	Ø38.5×46.03 mm
Mount	C-Mount
Resolution	40lp/mm

VT-LEM2514SWIR



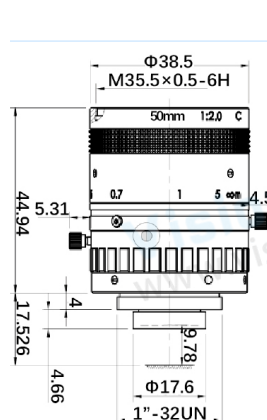
EFL (mm)	25.9
Aperture (F/#)	F1.4
Sensor Size	2/3"
FOV (D/H/V)	23.6°/19°/14.4°
BFL (mm)	9.98
TTL (mm)	38.3
Front/Rear Effective Dia. (mm)	Front : Ø18.6 Rear : Ø9.55
Max. CRA	14.32°
Wavelength	900-1700nm
M.O.D. (m)	0.2
Distortion	<-0.5%
Filter Screw Size	M35.5×P0.5
Dimension (mm)	Ø38.5×34.61 mm
Mount	C-Mount
Resolution	60lp/mm

VT-LEM3514SWIR



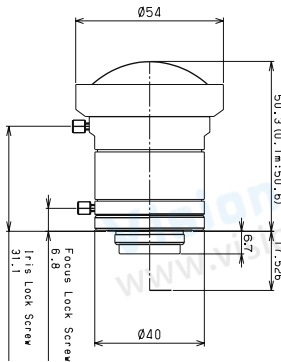
EFL (mm)	35
Aperture (F/#)	F1.4
Sensor Size	2/3"
FOV (D/H/V)	17.44°/13.99°/10.51°
BFL (mm)	13.09
TTL (mm)	46.6
Front/Rear Effective Dia. (mm)	Front : Ø22.20 Rear : Ø11.20
Max. CRA	10.85°
Wavelength	900-1700nm
M.O.D. (m)	0.15
Distortion	<0.03%
Filter Screw Size	M35.5×P0.5
Dimension (mm)	Ø38.5×38 mm
Mount	C-Mount
Resolution	50lp/mm

VT-LEM5020SWIR



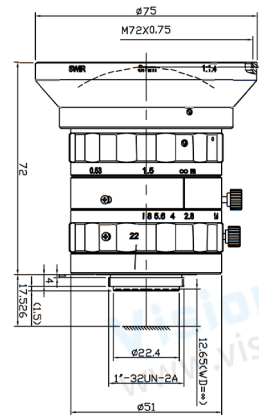
EFL (mm)	50
Aperture (F/#)	F2.0
Sensor Size	2/3"
FOV (D/H/V)	12.36°/9.92°/7.45°
BFL (mm)	9.78
TTL (mm)	55.9
Front/Rear Effective Dia. (mm)	Front : Ø24.09 Rear : Ø12.55
Max. CRA	5.42°
Wavelength	900-1700nm
M.O.D. (m)	0.4
Distortion	<-0.16%
Filter Screw Size	M35.5×P0.5
Dimension (mm)	Ø38.5×44.94 mm
Mount	C-Mount
Resolution	30lp/mm

VT-LEM0618SWIR-H1



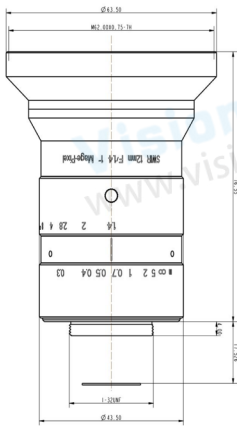
EFL (mm)	6
Aperture (F/#)	F1.8-F22
Sensor Size	1"
FOV (D/H/V)	104.6°/95.1°/78.7°
M.O.D. (m)	0.1
BFL (mm)	11.5 (in air)
TV Distortion	-0.7% (at far)
Iris	Manual
FBL (mm)	17.526
Size	Ø54×50.3mm
Mount	C-Mount
Resolution	6.4μm

VT-LEM0814SWIR-H1



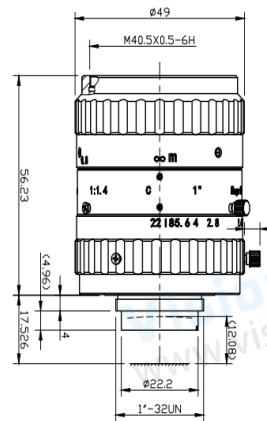
EFL (mm)	8.32
Aperture (F/#)	F1.4
Sensor Size	1"
FOV (D/H/V)	86.6°/75.22°/60.16°
BFL (mm)	12.65
TTL (mm)	88
Front/Rear Effective Dia. (mm)	Front : Ø46 Rear : Ø16.43
Wavelength	900-1700nm
M.O.D. (m)	0.3
Distortion	<1.76%
Filter Screw Size	M72×0.75
Dimension (mm)	Ø75×72 mm
Mount	C-Mount
Resolution	60lp/mm

VT-LEM1214SWIR-H1



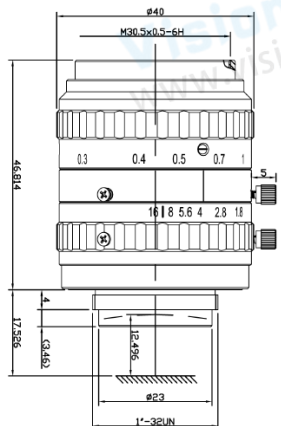
EFL (mm)	12.25
Aperture (F/#)	F1.4-22
Sensor Size	1"
FOV (D/H/V)	66.83°/54.58°/44.10°
BFL (mm)	15.08
TTL (mm)	93.1
M.O.D.	300mm
Max. CRA	8.1°
M.O.D. (m)	0.3
Distortion	-2.88%
Filter Screw Size	M62X0.75-7H
Focus Rang	300mm~∞
Mount	C-Mount
Resolution	5MP

VT-LEM2514SWIR-H1



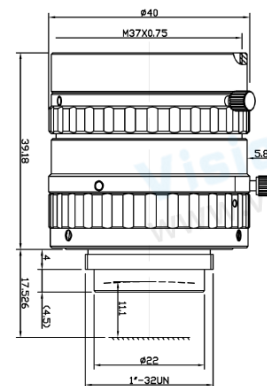
EFL (mm)	25
Aperture (F/#)	F1.49
Sensor Size	1"
FOV (D/H/V)	36°/27.8°/21°
BFL (mm)	12.08
TTL (mm)	65.5
Front/Rear Effective Dia. (mm)	Front : Ø29.54 Rear : Ø19.5
Max. CRA	4.16°
Wavelength	900-1700nm
M.O.D. (m)	0.3
Distortion	<-0.15%
Filter Screw Size	M40×P0.5
Dimension (mm)	Ø49×56.23 mm
Mount	C-Mount
Resolution	40lp/mm

VT-LEM2518SWIR-H1



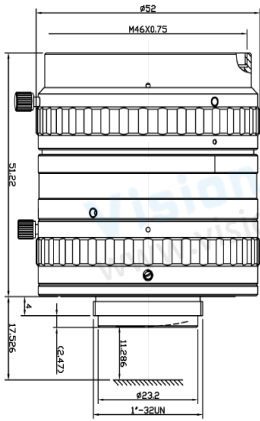
EFL (mm)	25
Aperture (F/#)	F1.8
Sensor Size	1"
FOV (D/H/V)	35.49°/28.5°/21.74°
BFL (mm)	13.09
TTL (mm)	59.639
Front/Rear Effective Dia. (mm)	Front : Ø24.19 Rear : Ø19.76
Max. CRA	0.65°
Wavelength	900-1700nm
M.O.D. (m)	0.3
Distortion	<-0.5%
Filter Screw Size	M30.5×P0.5
Dimension (mm)	Ø40×46.81 mm
Mount	C-Mount
Resolution	100lp/mm

VT-LEM3514SWIR-H1



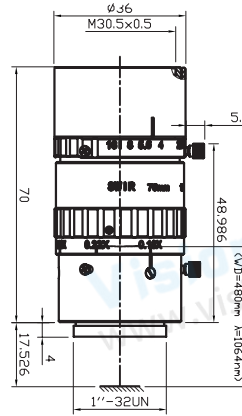
EFL (mm)	35
Aperture (F/#)	F1.4
Sensor Size	1"
FOV (D/H/V)	31.2°/25.4°/18.7°
BFL (mm)	11.1
TTL (mm)	54.01
Front/Rear Effective Dia. (mm)	Front : Ø28.64 Rear : Ø15.62
Max. CRA	0.65°
Wavelength	900-1700nm
M.O.D. (m)	0.3
Distortion	<0.1%
Filter Screw Size	M37×P0.75
Dimension (mm)	Ø40×39.18 mm
Mount	C-Mount
Resolution	50lp/mm

VT-LEM5014SWIR-H1



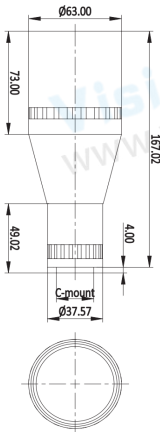
EFL (mm)	50
Aperture (F/#)	F1.4
Sensor Size	1"
FOV (D/H/V)	18.18°/14.48°/10.97°
BFL (mm)	11.29
TTL (mm)	65.99
Front/Rear Effective Dia. (mm)	Front : Ø36.12 Rear : Ø16.12
Max. CRA	12.66°
Wavelength	900-1700nm
M.O.D. (m)	0.5
Distortion	<0.05%
Filter Screw Size	M46×P0.75
Dimension (mm)	Ø52×51.22 mm
Mount	C-Mount
Resolution	50lp/mm

VT-LEM7525SWIR-H1



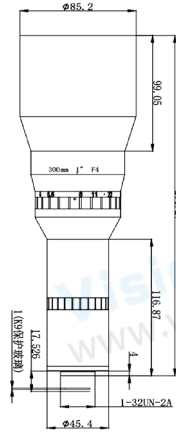
EFL (mm)	75
Aperture (F/#)	F2.5
Sensor Size	1"
FOV (D/H/V)	9.08°/7.26°/5.45°
BFL (mm)	38.875
TTL (mm)	95
Front/Rear Effective Dia. (mm)	Front: Ø22.4 Rear: Ø10.9
Wavelength	900-1700nm
M.O.D. (m)	0.265-0.48
Wavelength	900-1700nm
Distortion	<0.32%
Filter Screw Size	M30.5×0.5
Dimension (mm)	Ø36×70 mm
Mount	C-Mount
Resolution	90lp/mm

VT-LEM20040SWIR-H1



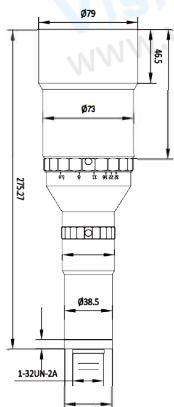
EFL (mm)	200
Aperture (F/#)	F4-F22
Sensor Size	1"(16mm)
Working Distance	10m~∞
FOV (D/H/V)	4.57°×3.66°×2.75°
BFL (mm)	48.7
TTL (mm)	180
Iris	Manual
Wavelength	900-1700nm
Distortion	0.3%@y=8mm
Filter Screw Size	M60×0.5mm
Dimension (mm)	Ø63×170
Mount	C-Mount
Object Size[in M.O.D]	800×640×480mm

VT-LEM30040SWIR-H1



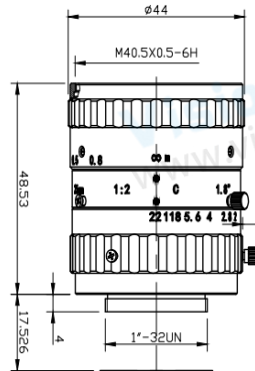
EFL (mm)	300
Aperture (F/#)	F4-F22
Sensor Size	1"(16mm)
Working Distance	10m~∞
FOV (D/H/V)	3.06°×2.44°×1.83°
BFL (mm)	81.02
TTL (mm)	300
Iris	Manual
Wavelength	400-1700nm
Distortion	0.06%@y=8mm
Filter Screw Size	M82×0.75mm
Dimension (mm)	Ø85.2×292
Mount	C-Mount
Object Size[in M.O.D]	535×428×321 mm

VT-LEM40056SWIR-H1



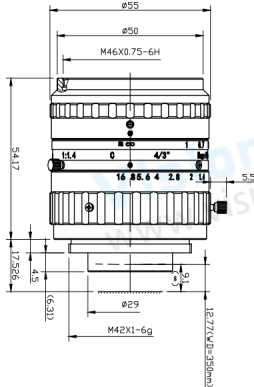
EFL (mm)	400
Aperture (F/#)	F5.6
Sensor Size	1"(16mm)
Working Distance	20m~∞
FOV (D/H/V)	2.29°×1.83°×1.37°
BFL (mm)	106.6
TTL (mm)	290
Iris	Manual
Wavelength	900-1700nm
Distortion	0.28%
Filter Screw Size	/
Dimension (mm)	Ø33.5×58
Mount	C-Mount
Object Size[in M.O.D]	805.1×644.1×483.1mm

VT-LEM2520SWIR-H2



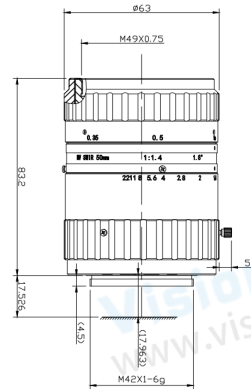
EFL (mm)	25
Aperture (F/#)	F2.0
Sensor Size	28 mm
FOV (D/H/V)	48.04°/39.19°/29.8°
BFL (mm)	15.07 mm
TTL (mm)	64 mm
Front/Rear Effective Dia. (mm)	Front : Ø27.37 Rear : Ø16.37
Max. CRA	25.05°
M.O.D. (m)	0.25
Distortion	<-2.3%
Filter Screw Size	M40.5×P0.5
Dimension (mm)	Ø44×48.53
Mount	C-Mount
Resolution	40lp/mm

VT-LEM3514SWIR-H2



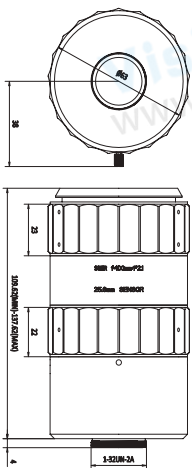
EFL (mm)	35
Aperture (F/#)	F1.4
Sensor Size	4/3"
FOV (D/H/V)	31.2°/25.4°/18.7°
BFL (mm)	9.1
TTL (mm)	67
Front/Rear Effective Dia. (mm)	Front : Ø34.13 Rear : Ø20.91
Max. CRA	15.64°
Wavelength	900-1700nm
M.O.D. (m)	0.3
Distortion	<-0.4%
Filter Screw Size	M46xP0.75
Dimension (mm)	Ø55x54.17
Mount	M42
Resolution	60lp/mm

VT-LEM5014SWIR-H2



EFL (mm)	50
Aperture (F/#)	F1.4
Sensor Size	28.6 mm
FOV (D/H/V)	23.18°/18.66°/14.05°
BFL (mm)	17.96
TTL (mm)	101
Front/Rear Effective Dia. (mm)	Front : Ø42.91 Rear : Ø30.16
Max. CRA	10.67°
Wavelength	900-1700nm
M.O.D. (m)	0.3
Distortion	<-0.22%
Filter Screw Size	M49xP0.75
Dimension (mm)	Ø63x83.2
Mount	M42 x 1
Resolution	90lp/mm

VT-LEM10021SWIR-H2



EFL (mm)	100
Aperture (F/#)	F2.1-22
Sensor Size	25.6 mm
FOV (D/H/V)	4/3" 14.33°/11.52°/8.72° 1" 11.96°/9.68°/7.26° 1/2" 9.08°/7.30°/5.50° 1/4" 4.58°/3.64°/2.80°
BFL (mm)	25.485
Focusing Range	0.4m~+∞
Object Size[in M.O.D]	25.6mm 109.44/87.55/65.66mm 4/3" 90.84x72.67x54.50mm 1" 68.10x54.48x40.86mm 1/2" 34.00x27.20x20.40mm
Wavelength	800-1700nm
M.O.D. (m)	0.4
Distortion	25.6mm 0.17%@y=12.8mm 4/3" 0.12%@y=11.5mm 1" 0.068%@y=8mm 1/2" 0.018%@y=4mm
Filter Screw Size	M49xP0.75
Size	Ø69.5x141.62 mm
Mount	M42/C/F-Mount

VT-LEM1616022SWIR-H1

EFL (mm)	16 - 160
Aperture (F/#)	F2.2-Close
Sensor Size	1"(16mm)
Field of View	43.6 X33.4 °. at 16mm 4.6 X 3.4 °. at 160mm
BFL (mm)	18.6(In Air)
FBL (mm)	17.526
Iris	Motorized
Focus	Motorized
Zoom	Motorized
Zoom Ratio	10X
M.O.D.	1.1m(From Front Vertex)
Wavelength	900-1700nm
Filter Screw Size	M77x0.75mm
Dimension (mm)	117X100X176mm
Mount	C-Mount

VT-LEM2036060SWIR

EFL (mm)	20 - 360
Aperture (F/#)	F6-10
Sensor Size	12.3 mm
Field of View	20.3X15.1°. at 20mm 1.1X 0.84 °. at 360mm
Image Format :	7.2X5.4mm(D9mm)
FBL (mm)	17.526
Zoom Ratio	18X
M.O.D.	15m(From Front Vertex)
Wavelength	400-1700nm
Dimension (mm)	93X92X196mm
Iris	-
Focus	Motorized
Zoom	Motorized
Mount	C-Mount

VT-LEM2050036SWIR

EFL (mm)	20- 500
Aperture (F/#)	F3.6-Close
Sensor Size	1/1.8"
Field of View	18.9 X14.2°. at 20mm 0.84 X 0.63°. at 500mm
Iris	Motorized
Focus	Motorized
Zoom	Motorized
FBL (mm)	17.526
Zoom Ratio	37.5X
M.O.D.	4m(From Front Vertex)
Wavelength	900-1700nm
Dimension (mm)	120X120.5X306.8
Mount	C-Mount

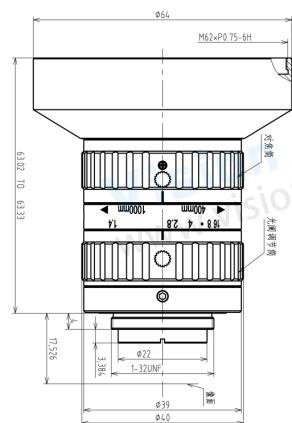
VT-LEM2075036SWIR

EFL (mm)	20- 750
Aperture (F/#)	F3.6-Close
Sensor Size	1/1.8"
Field of View	18.9 X14.2°. at 20mm
	0.6 X 0.4°. at 750mm
Iris	Motorized
Focus	Motorized
Zoom	Motorized
FBL (mm)	17.526
Zoom Ratio	37.5X
M.O.D.	4m(From Front Vertex)
Wavelength	900-1700nm
Dimension (mm)	120X120.5X306.8
Mount	C-Mount

VT-LEM25120048SWIR

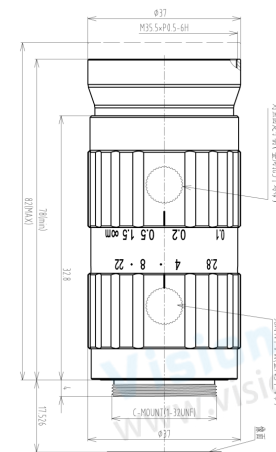
EFL (mm)	25 - 1200
Aperture (F/#)	F4.8 - 10
Sensor Size	12.3 mm
Field of View	16.4 X9.2°. at 25mm 0.34 X 0.2°. at 1200mm
Iris	Fixed
Focus	Motorized
Zoom	Motorized
FBL (mm)	17.526
Zoom Ratio	48X
M.O.D.	15m~∞
Wavelength	400-1700nm
Dimension (mm)	178X139X429mm
Mount	C-Mount

VT-LEN1214SWIR-H1.1



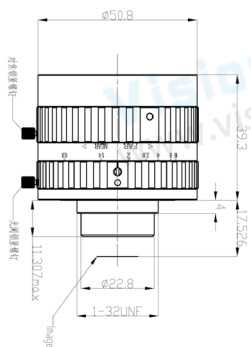
EFL (mm)	12.3
Aperture (F/#)	F1.4-16
Sensor Size	1.1"
FOV (D/H/V)	71.2°/59.7°/46.6°
BFL (mm)	12.08 mm
Wavelength	900-1700nm
Front/Rear Effective Dia. (mm)	/
M.O.D. (m)	0.4
Distortion	<2%
Filter Screw Size	/
Dimension (mm)	Ø64×71.2
Mount	C-Mount
Resolution	5MP

VT-LEN2528SWIR-H1.1



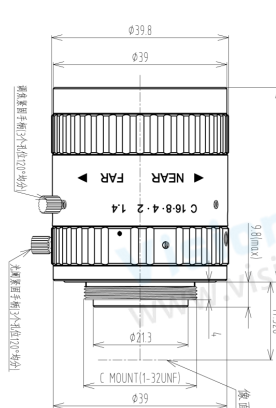
EFL (mm)	25
Aperture (F/#)	F2.8-22
Sensor Size	1.1"
FOV (D/H/V)	37.6°/30.4°/23°
BFL (mm)	29.6 mm
Wavelength	900-1700nm
Front/Rear Effective Dia. (mm)	Front : Ø20 Rear : Ø19.2
M.O.D. (m)	0.1
Distortion	<0.1%
Filter Screw Size	M35.5xP0.5
Dimension (mm)	Ø37×86
Mount	C-Mount
Resolution	5MP

VT-LEN2509SWIR-S12



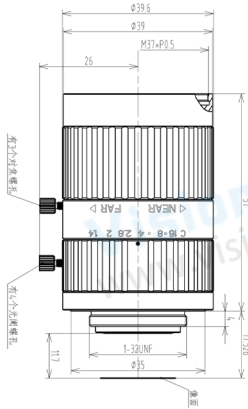
EFL (mm)	25		
Aperture (F/#)	F0.9		
Sensor Size	Ø12.6mm		
Wavelength	900-1700nm		
Magnification	0.141X	0.09X	0.05X
Working Distance	200±5	300±5	500±5
Conjugate Distance	252.4±9	351.1±9	550.2±9
Distortion	<0.1%		
M.O.D. (m)	0.2		
Filter Screw Size	/		
Dimension (mm)	Ø50.8×50.6		
Mount	C-Mount		
Resolution	5MP		

VT-LEN3514SWIR-S23



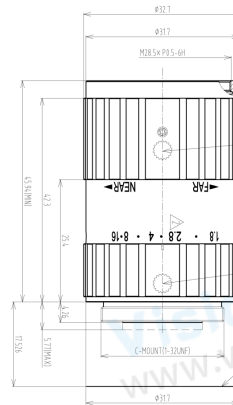
EFL (mm)	35
Aperture (F/#)	F1.4-16
Sensor Size	2/3"
FOV (D/H/V)	17.3°/13.9°/10.4°
Wavelength	900-1700nm
Front/Rear Effective Dia. (mm)	Front : Ø24.8 Rear : Ø13.6
M.O.D. (m)	0.15
Distortion	<-0.8%
Filter Screw Size	M37x0.5
Dimension (mm)	Ø39.8x53.8
Mount	C-Mount
Resolution	5MP

VT-LEN5014SWIR-S23



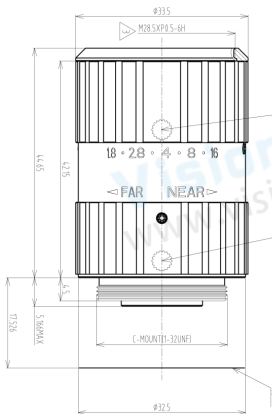
EFL (mm)	50
Aperture (F/#)	F1.4-Close
Sensor Size	2/3"
FOV (D/H/V)	13.04°/10.46°/7.86°
Wavelength	900-1700nm
Front/Rear Effective Dia. (mm)	Front : Ø24 Rear : Ø11.78
M.O.D. (m)	0.3
Distortion	<-0.8%
Filter Screw Size	M37xP0.5
Dimension (mm)	Ø39.6×62.8
Mount	C-Mount
Resolution	5MP

VT-LEN1218VSW-S12



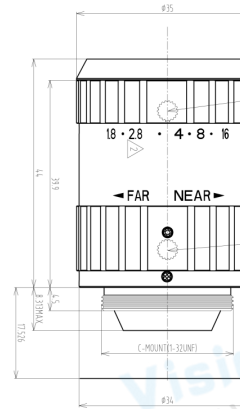
EFL (mm)	12
Aperture (F/#)	F1.8-16
Sensor Size	1/2"
FOV (D/H/V)	36.44°/29.02°/23.32°
BFL (mm)	12.6 mm
Wavelength	400-1700nm
Front/Rear Effective Dia. (mm)	Front : Ø21 Rear : Ø8
M.O.D. (m)	0.1
Distortion	<0.3%
Filter Screw Size	M28.5×P0.5
Dimension (mm)	Ø32.7×51.71
Mount	C-Mount
Resolution	3MP

VT-LEN1618VSW-S12



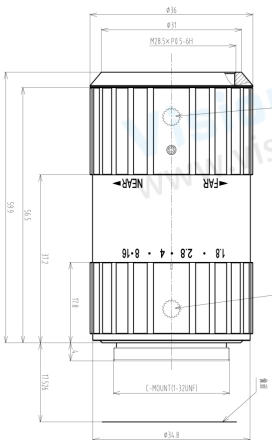
EFL (mm)	16
Aperture (F/#)	F1.8-16
Sensor Size	1/2"
FOV (D/H/V)	28.14°/22.44°/17.98°
BFL (mm)	13 mm
Wavelength	400-1700nm
Front/Rear Effective Dia. (mm)	Front : Ø17.7 Rear : Ø11
M.O.D. (m)	0.1
Distortion	<0.4%
Filter Screw Size	M28.5×P0.5
Dimension (mm)	Ø33.5×49.8
Mount	C-Mount
Resolution	3MP

VT-LEN2518VSW-S12



EFL (mm)	25
Aperture (F/#)	F1.8-16
Sensor Size	1/2"
FOV (D/H/V)	16.84°/13.44°/10.77°
BFL (mm)	13 mm
Wavelength	400-1700nm
Front/Rear Effective Dia. (mm)	Front : Ø17.9 Rear : Ø10
M.O.D. (m)	0.1
Distortion	<0.4%
Filter Screw Size	M28.5×P0.5
Dimension (mm)	Ø35×52.3
Mount	C-Mount
Resolution	3MP

VT-LEN3518VSW-S12



EFL (mm)	35
Aperture (F/#)	F1.8-16
Sensor Size	1/2"
FOV (D/H/V)	9.71°/7.51°/5.94°
BFL (mm)	17.764 mm
Wavelength	400-1700nm
Front/Rear Effective Dia. (mm)	Front : Ø21 Rear : Ø16.3
M.O.D. (m)	0.1
Distortion	<0.14%
Filter Screw Size	M28.5×P0.5
Dimension (mm)	Ø36×63.9
Mount	C-Mount
Resolution	3MP

UV LENSES

C-
MOUNT



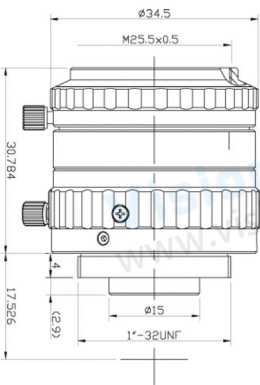
UV LENSES

FEATURES

- 1. High performance, optional focal length
- 2. Effectively filter out ultraviolet rays
- 3. Improve the effect of clarity and color reproduction

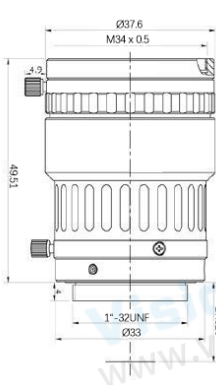
UV LENSES						
Part name	EFL(mm)	Aperture(F#)	Sensor Size	BFL(mm)	Mount	Resolution
VT-LEN2528UV	25	2.8	2/3"	12.45	C-Mount	100lp/mm (2MP)
VT-LEN5030UV	50	3.0	2/3"	26.55	C-Mount	100lp/mm (2MP)
VT-LEN7538UV	75	3.8	2/3"	47.32	C-Mount	100lp/mm (2MP)
VT-LENF7838UV	78	3.8	35mm Image Circle	74.6	F-Mount	-
VT-LENF8528UV	85	2.8	25mm Image Circle	43.34	F-Mount	100lp/mm (2MP)

VT-LEN2528UV



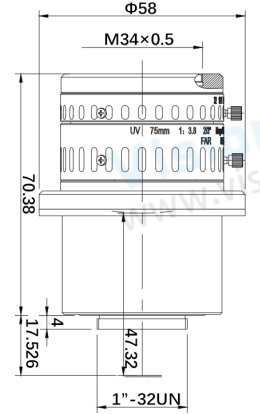
EFL (mm)	25
Resolution	100lp/mm (2MP)
Aperture (F/#)	F2.8
Sensor Size	2/3"
FOV (D/H/V)	24.81°/15.04°/19.96°
BFL (mm)	12.45
Distortion	<0.4%
Focusing Range	∞ ~ 0.2m
Iris	Manual
Design Wavelength (nm)	200-1000
Filter Thread Size	M25.5 x 0.5
Dimension (mm)	Ø34.5x30.78
Mount	C-Mount

VT-LEN5030UV



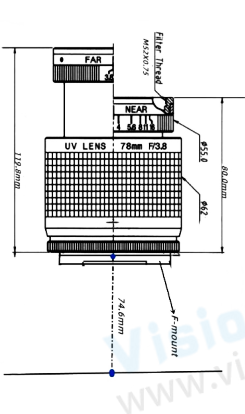
EFL (mm)	50
Resolution	100lp/mm (2MP)
Aperture (F/#)	F3.0
Sensor Size	2/3"
FOV (D/H/V)	12.55°/7.55°/10.06°
BFL (mm)	26.5
Distortion	<-0.08%
Focusing Range	∞ ~ 0.3m
Iris	Manual
Design Wavelength (nm)	200nm-1000nm
Filter Thread Size	M34 x 0.5
Dimension (mm)	Ø37.6 x 49.51
Mount	C-Mount

VT-LEN7538UV



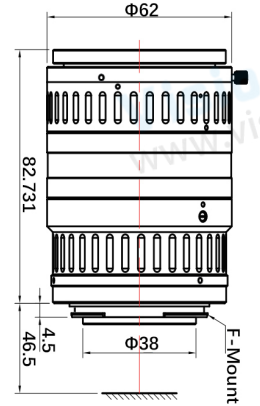
EFL (mm)	75
Resolution	100lp/mm (2MP)
Aperture (F/#)	F3.8
Sensor Size	2/3"
FOV (D/H/V)	8.38°/5.04°/6.72°
BFL (mm)	47.32
Distortion	<0.1%
Focusing Range	∞ ~ 0.5m
Iris	Manual
Design Wavelength (nm)	200-1000
Filter Thread Size	M34 x 0.5
Dimension (mm)	Ø40.2 x 70.38
Mount	C-Mount

VT-LENF7838UV



EFL (mm)	78
Resolution	-
Aperture (F/#)	F3.8-16
Image Circle/mm	35mm
FOV (D/H/V)	15.05° x 12.29° x 9°
BFL (mm)	74.6
Distortion	<0.1%
Working Distance	0.22m- ∞
Iris	Manual
Design Wavelength (nm)	190-1000
Filter Thread Size	M52 x 0.75
Dimension (mm)	Φ 64 x 80
Mount	F-Mount

VT-LENF8528UV



EFL (mm)	85
Resolution	65lp/mm
Aperture (F/#)	F2.8
Sensor Size	25 mm
FOV (D/H/V)	14.03°/11.28°/8.48°
BFL (mm)	43.34
Distortion	<0.1%
Focusing Range	-
Iris	Manual
Design Wavelength (nm)	-
Filter Thread Size	M55 x 0.75
Dimension (mm)	Ø62 x 82.73
Mount	F-Mount

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