



SUZHOU LIGHTLNS OPTICAL TECHNOLOGY CO., LTD.

(Product List)

Machine Vision Lenses/ HD Low Distortion Lenses

No.	Model No.	Image Size	Focal Length (mm)	Aperture Range (F)	Resolution	Angle of View (D°H°V)	Flange Back Focal Length	M.O.D	Aperture type	Mount Type	Dimension (mm)	Remarks
1	118FA04528C	1/1.8"	4.5	F2.8-16	5MP	(1/1.8") 89.0°×81.9°×52.3°(16:9)		0.1m	Manual with Lock	C	φ44×51	NEW
2	118FA1628C	1/1.8"	16	F2.8-16	8MP	(1/1.8") 31.0°×27.5°×15.7°(16:9)	13.1mm	0.1m	Manual with Lock	C	φ28.4×41.8	NEW
3	118FA2528C	1/1.8"	25	F2.8-16	8MP	(1/1.8") 20.4°×17.8°×10.0°(16:9)	13.4mm	0.2m	Manual with Lock	C	φ28.0×32.2	NEW
4	118FA3528C	1/1.8"	35	F2.8-16	8MP	(1/1.8") 14.7°×12.6°×7.2°(16:9)	13.5mm	0.2m	Manual with Lock	C	φ28.0×40.1	NEW
5	11HR0814C	1"	8	F1.4	5MP	88°×75°×59.5°	7.46mm	0.2m	Manual with Lock	C	φ57.5×63.76	
6	11HR0814C-R2	1"	8	F1.4	10MP	88°×75°×59.5°	7.46mm	0.2m	Manual with Lock	C	φ57.5×63.76	
7	11HR1214C	1"	12	F1.4	5MP	66°×53°×42.5°	10.89mm	0.3m	Manual with Lock	C	φ50×64.9	
8	11HR1612C	1"	16	F1.2	16MP	54°×44°×33°	11.98mm	0.3m	Manual with Lock	C	φ55×91.73	
9	11HR1613C-R1	1"	16	F1.3	12MP	54°×44°×33°	12.29mm	0.3m	Manual with Lock	C	φ50×89	
10	11HR1614C	1"	16	F1.4	5MP	53°×42°×32°	12.73mm	0.2m	Manual with Lock	C	φ41.5×55.65	
11	11HR1620C	1"	16	F2.0	5MP	53°×42°×32°	12.73mm	0.2m	Manual with Lock	C	φ41.5×55.65	
12	11HR2012C	1"	20	F1.2	8MP	43.5°×35°×27°	7.46mm	0.3m	Manual with Lock	C	φ46.2×83.9	
13	11HR2220C	1"	22	F2.0	5MP	40°×32°×24°	13.73mm	0.4m	Manual with Lock	C	φ40×78.48	
14	11HR2512C	1"	25	F1.2	10MP	35.6°×28.5°×21.2°	13.17mm	0.3m	Manual with Lock	C	φ52×78.86	
15	11HR2514C	1"	25	F1.4	5MP	35°×28°×21°	11.60mm	0.4m	Manual with Lock	C	φ39×38.42	
16	11HR3512C	1"	35	F1.2	10MP	26°×20.8°×15.6°	13.73mm	0.3m	Manual with Lock	C	φ60×83.1	
17	11HR3520C	1"	35	F2.0	5MP	25.7°×20°×15.4°	12.93mm	0.5m	Manual with Lock	C	φ37×40	
18	11HR5013C	1"	50	F1.3	12MP	18.6°×14.9°×11.2°	13.73mm	0.3m	Manual with Lock	C	φ57×66.58	
19	11HR5020C	1"	50	F2.0	5MP	20.9°×16.6°×12.5°	13.05mm	0.5m	Manual with Lock	C	φ45×60	
20	23FA0614C	2/3"	6	F1.4	5MP	86°×74°×58.6°	8.57mm	0.1m	Manual with Lock	C	Φ45×46.95	
21	23FA1616C	2/3"	16	F1.6	5MP	38°×30°×23°	13.73mm	0.1m	Manual with Lock	C	φ40×42	
22	23FA2516C	2/3"	25	F1.6	5MP	24.6°×19.6°×14.8°	8.4mm	0.2m	Manual with Lock	C	φ40×42	
23	23HR0814C	2/3"	8	F1.4	5MP	67°×55°×42.8°	7.46mm	0.2m	Manual with Lock	C	φ45.2×66.88	
24	23HR1214C	2/3"	12	F1.4	5MP	47°×38°×29°	12.92mm	0.2m	Manual with Lock	C	φ36×41.75	
25	23HR1614C	2/3"	16	F1.4	5MP	38°×30°×22°	12.73mm	0.2m	Manual with Lock	C	φ41.5×55.65	
26	23HR2514C	2/3"	25	F1.4	5MP	24.8°×19.8°×14.7°	11.60mm	0.4m	Manual with Lock	C	φ39×38.42	
27	23HR3514C	2/3"	35	F1.4	5MP	18°×14.4°×11°	12.91mm	0.5m	Manual with Lock	C	φ36×39.22	
28	23HR5014C	2/3"	50	F1.4	5MP	14.2°×11.5°×8.5°	13.05mm	0.5m	Manual with Lock	C	φ45×60	
29	34HR1214C	3/4"	12	F1.4	5MP	51°×41.5°×31.5°	12.92mm	0.2m	Manual with Lock	C	φ36×41.75	
30	34HR2514C	3/4"	25	F1.4	5MP	26.6°×21°×16°	11.60mm	0.4m	Manual with Lock	C	φ39×38.42	
31	43HR1613C	4/3"	16	F1.3	10MP	70°×58°×45°	13.73mm	0.2m	Manual with Lock	C	φ66×97.89	
32	43HR2220C	4/3"	22	F2.0	8MP	55.5°×45.5°×34.5°	13.53mm	0.4m	Manual with Lock	C	φ45.5×78.5	
33	43HR2513C	4/3"	25	F1.3	10MP	48°×38.4°×29.2°	12.26mm	0.3m	Manual with Lock	C	φ62×103.24	
34	43HR3520C	4/3"	35	F2.0	5MP	34.8°×27.8°×20.9°	12.93mm	0.5m	Manual with Lock	C	φ37×40	

HD, Vari-Focal Lenses (IR)

No.	Model No.	Image Size	Focal Length (mm)	Aperture Range (F)	Resolution	Angle of View (D°H°V)	Flange Back Focal Length	M.O.D	Aperture type	Mount Type	Dimension (mm)	Remarks
1	118VD0840C	1/1.8"	8-40	F1.4	5MP	56.8°×13°/45.5°×7.5°/34.5°×7.8°	6.78-9.12mm	0.2m	Auto Iris	C	φ59×93.93	
2	118VD08545C	1/1.8"	8.5-45	F1.4	8MP	57.5°×11.7°/45.3°×9.5°/33.2°×7.1°	9.69-11.46	0.3m	Auto Iris	C	φ56×107.3	
3	118VD0950C	1/1.8"	9-50	F1.6	3MP	60°×10.6°/45°×8.3°/33°×6.3°	8.72-11.46mm	0.3m	Auto Iris	C	φ50×90.4	
4	118VD3616CS	1/1.8"	3.6-16	F1.6	8MP	180°×33.2°/113°×27°/78.5°×20°	6.82-9.0mm	0.2m	Auto Iris	CS	φ56×84.51	
5	118VD3818C-R4	1/1.8"	3.8-18	F1.6	3MP	160°×32°/114°×26°/80°×20°	8.19-13.73mm	0.2m	Auto Iris	C	φ50×69.9	
6	118VD7582C	1/1.8"	7.5-82	F1.6	3MP	67°×6.3°/52°×5°/38.5°×3.8°	8.23-9.36mm	0.3m	Auto Iris	C	φ70×110	
7	118VM3818C	1/1.8"	3.8-18	F1.6	3MP	160°×32°/114°×26°/80°×20°	8.19-13.73mm	0.2m	Manual with Lock	C	φ50×74.23	
8	125VD0660CS	1/2.5"	6-60	F1.6	3MP	57°×7°/43°×5.6°/31°×4.2°	7.29-8.5mm	0.3m	Auto Iris	CS	φ44×89	
9	127VD2713CSN	1/2.7"	2.7-13	F1.4	3MP	160°×30.4°/118°×24.3°/84°×18°	4.77-7.11mm	0.1m	Auto Iris	CS	φ39×45.4	
10	128VD2713CS-R1	1/2.8"	2.7-13	F1.4	3MP	160°×35.6°/115°×28.5°/81.6°×21.5°	6.38-6.7mm	0.1m	Auto Iris	CS	φ39×40.2	
11	23VD0615C	2/3"	6-15	F1.4	3MP	100°×43°/77°×34.4°/58°×26°	9.61-13.73mm	0.3m	Auto Iris	C	φ43.4×47.71	
12	23VD6520C	2/3"	6.5-20	F1.4	3MP	96°×33.5°/74°×29°/54°×20°	11.52-13.43mm	0.3m	Auto Iris	C	φ43.4×57.02	
13	23VM0615C	2/3"	6-15	F1.4	3MP	100°×43°/77°×34.4°/58°×26°	9.61-13.73mm	0.3m	Manual with Lock	C	φ39×47.71	

Board Lenses (IR)

No.	Model No.	Image Size	Focal Length (mm)	Aperture Range (F)	Resolution	Angle of View (D°H°V)	Flange Back Focal Length	TTL	Aperture type	Mount Type	Dimension (mm)	Remarks
1	118MF0616B	1/1.8"	6	F1.6	3MP	88°×68°×50°	7.39mm	24.62±0.30mm	Fixed	M12	φ14.0×17.23	
2	125MF02526B	1/2.5"	2.5	F2.6	2MP	179°×136°×100°	4.66mm	22.00±0.4mm	Fixed	M12	φ17.0×17.30	
3	125MF2818B	1/2.5"	2.8	F1.8	3MP	156°×120°×87°	6.79mm	23.5±0.30mm	Fixed	M12	φ17.0×16.73	
4	125MF2818B-R1	1/2.5"	2.8	F1.8	3MP	156°×120°×87°	5.99mm	23.5±0.30mm	Fixed	M12	φ17.0×17.54	
5	125MF4116B	1/2.5"	4.1	F1.6	5MP	91°×74°×56°	4.78mm	22.97±0.30mm	Fixed	M12	φ15.0×18	
6	127MF02420B	1/2.7"	2.4	F2.0	3MP	187°×132°×84°	3.90mm	13.35±0.30mm	Fixed	M12	φ14.0×11.44	
7	127MF3020B	1/2.7"	3	F2.0	2MP	146°×101.6°×72°	5.07mm	17.71±0.30mm	Fixed	M12	φ14×12.64	
8	127MF3025B	1/2.7"	3	F2.5	3MP	146°×106.5°×64°	4.20mm	14.95±0.30mm	Fixed	M12	φ14.0×10.75	
9	127MF3118B	1/2.7"	3.1	F1.8	2MP	156°×107.5°×76.5°	5.07mm	17.55±0.30mm	Fixed	M12	φ14.0×12.15	
10	127MF32722B	1/2.7"	3.27	F2.2	4MP	140°×100.5°×62°	5.03mm	16.90±0.30mm	Fixed	M12	φ14×11.88	
11	127MF4020B-R3	1/2.7"	4	F2.0	1.3MP	92°×72.5°×54°	5.82mm	22.15±0.20mm	Fixed	M12	φ14.0×16.33	Glass Plastic Mixed
12	127MF4020-R2	1/2.7"	4	F2.0	2MP	92°×72.5°×54°	5.82mm	22.15±0.20mm	Fixed	M12	φ14.0×16.33	Glass Plastic Mixed
13	129MF28620B	1/2.9"	2.86	F2.0	2MP	168°×112°×79°	3.40mm	16.61±0.30mm	Fixed	M12	φ14.0×13.21	
14	129MF28620M10	1/2.9"	2.86	F2.0	2MP	168°×112°×79°	3.40mm	16.61±0.30mm	Fixed	M10	φ16.0×13.21	
15	13MF2122B	1/3"	2.1	F2.2	3MP	160°×122°×90°	5.83mm	22.5±0.30mm	Fixed	M12	φ14.0×16.67	
16	13MF2618B	1/3"	2.6	F1.8	1.3MP	153°×110°×80°	3.91mm	17.16±0.30mm	Fixed	M12	φ14.0×13.24	
17	14MF22235B	1/4"	2.2	F2.35	2MP	166°×106°×73°	4.28mm	18.53±0.20mm	Fixed	M12	φ14.0×14.25	
18	14MF2622B	1/4"	2.6	F2.2	2MP	106°×81.5°×59.5°	4.39mm	17.31±0.30mm	Fixed	M12	φ14.0×12.91	
19	14MF2820B	1/4"	2.8	F2.0	1.3MP	100.4°×78°×57°	4.80mm	19.91±0.30mm	Fixed	M12	φ14.0×14.9	
20	C125MF3025B	1/2.5"	3	F2.5	3MP	180°×117°×82°	4.30mm	15.30±0.30mm	Fixed	M12	φ14.0×10.75	
21	C127MF3618B-1	1/2.7"	3.6	F1.8	2MP	101°×78.5°×57°	6.08mm	22.98±0.30mm	Fixed	M12	φ14.0×22.98	
22	C127MF3620B-H	1/2.7"	3.6	F2.0	2MP	112.8°×85.4°×62.5°	5.88mm	16.68±0.30mm	Fixed	M12	φ14.0×10.8	
23	C127MF3620B-Y	1/2.7"	3.6	F2.0	2MP	122.6°×89°×64.5°	5.76mm	23.4±0.30mm	Fixed	M12	φ14.5×17.64	
24	C13MF2420B-R2	1/3"	2.4	F2.0	2MP	156.5°×117.3°×85°	3.97mm	15.60±0.30mm	Fixed	M12	φ14.0×11.33	

Fisheye Lenses												
No.	Model No.	Image Size	Focal Length (mm)	Aperture Range (F)	Resolution	Angle of View (D°H°V)	Flange Back Focal Length	TTL	Aperture type	Mount Type	Dimension (mm)	Remarks
1	117FH2122B-R1	1/1.7"	2.1	F2.2	8MP	180°×180°×180°	5.56mm	27.9±0.3mm	Fixed	M12	φ25×22.35	
2	123FH135235B	1/2.3"	1.35	F2.35	6MP	185°×185°×185°	3.57mm	20.53±0.3mm	Fixed	M12	φ15×16.96	
3	123FH13922B	1/2.3"	1.39	F2.2	6MP	185°×185°×185°	3.40mm	20.68±0.3mm	Fixed	M12	φ15×17.27	
4	123FH2628B-J11	1/2.3"	2.6	F2.2	16MP	150°×122°×94.6°	2.64mm	24±0.3mm	Fixed	M12	φ18×21.36	
5	128FH2024B	1/2.8"	2	F2.4	3MP	198°×151°×88°	2.93mm	14.47±0.2mm	Fixed	M12	φ16×11.54	
6	12FH15525B-R2	1/2"	1.55	F2.5	8MP	185°×185°×185°	3.42mm	27.6±0.3mm	Fixed	M12	φ28×24.18	
7	132FH10520B	1/3.2"	1.05	F2.0	5MP	185°×185°×185°	3.52mm	20.16±0.3mm	Fixed	M12	φ15×16.6	
8	132FH10520B-R1	1/3.2"	1.05	F2.0	5MP	185°×185°×185°	3.87mm	20.16mm	Fixed	M12	φ15×17.1	
9	132FH11925B	1/3.2"	1.19	F2.5	8MP	185°×185°×185°	4.03mm	27.8±0.3mm	Fixed	M12	φ28×23.8	
10	132FH14225B	1/3.2"	1.42	F2.5	5MP	185°×185°×185°	3.9mm	27±0.3mm	Fixed	M12	φ20×23.1	
11	14FH14924B	1/4"	1.49	F2.4	2.5MP	176°×142°×100°	3.04mm	16.11±0.2mm	Fixed	M12	φ16×13.07	
12	C123FH25528B	1/2.3"	2.55	F2.8	16MP	158°×128°×99°	2.64mm	24.3±0.3mm	Fixed	M12	φ17.3×21.36	
Automotive Lenses												
No.	Model No.	Image Size	Focal Length (mm)	Aperture Range (F)	Resolution	Angle of View (D°H°V)	Flange Back Focal Length	TTL	Aperture type	Mount Type	Dimension (mm)	Remarks
1	1275FH42720B	1/2.75"	4.27	F2.0	2MP	94.7°×80.1°×44.2°	6.47mm	18.56±0.3mm	Fixed	M12	φ14×12.09	
2	138FH15322B	1/3.8"	1.53	F2.2	1.5MP	188.8°×144.6°×106.4°	2.80mm	15.70±0.3mm	Fixed	M12	φ14×12	
3	138FH17922B	1/3.8"	1.79	F2.2	1.5MP	153°×119°×90°	4.20mm	14.75±0.3mm	Fixed	M12	φ14×11.55	
4	14FH09520B	1/4"	0.95	F2.0	2MP	210°×193°×124°	1.39mm	13.43±0.3mm	Fixed	M12	φ16×11.12	
5	14FH09620B	1/4"	0.96	F2.0	2MP	210°×192.6°×142.2°(ASX342)	1.81mm	12.66±0.3mm	Fixed	M12	φ16×10.85	
6	14FH13520B	1/4"	1.35	F2.0	2MP	141°×120°×88°	1.91mm	13.43±0.3mm	Fixed	M12	φ16×11.12	
7	14MF11520B	1/4"	1.15	F2.0	1.5MP	164°×146°×95°	1.68mm	13.52±0.3mm	Fixed	M12	φ14.82×13.52	
Pinhole Lenses												
No.	Model No.	Image Size	Focal Length (mm)	Aperture Range (F)	Resolution	Angle of View (D°H°V)	Back Focal Length	M.O.D	Aperture type	Mount Type	Dimension (mm)	Remarks
1	13PI2824B	1/3"	2.8	F2.4	1.3MP	125°×95°×75°	4.1mm	0.1m	Fixed	S	M12X8.5	
2	13PI3725B	1/3"	3.7	F2.5	1.3MP	92°×70°×55°	4mm	0.15m	Fixed	S	M12X7.2	
3	13PI4328B	1/3"	4.3	F2.8	1.3MP	80°×65°×48°	4.4mm	0.15m	Fixed	S	M12X7.3	
Super Starlight Lenses												
No.	Model No.	Image Size	Focal Length (mm)	Aperture Range (F)	Resolution	Angle of View (D°H°V)	Flange Back Focal Length	TTL	Aperture type	Mount Type	Dimension (mm)	Remarks
1	127MF0415B	1/2.7"	4	F1.5	8MP	105°×88°×47° (16: 9) 105°×80°×58° (4: 3)	4.72mm	22.30±0.30mm	Fixed	M12	φ14.0×17.57	Glass Plastic Mixed
2	127MF4085M16	1/2.7"	4	F0.85	3MP	101°×86.5°×47.5° (16: 9) 101°×78.5°×58.5° (4: 3)	5.00mm	37.81±0.30mm	Fixed	M16	φ22×32.80	Glass Plastic Mixed
3	C118MF54310M16	1/1.8"	5.43	F1	8MP	105°×88°×46° (16:9) 105°×80°×58° (4:3)	5.28mm	45.47±0.30mm	Fixed	M16	φ20×40.18	
4	C125MF4010M16	1/2.5"	4	F1	6MP	106°×90°×49° (16 : 9) 106°× 82°×60° (4:3)	4.87mm	35.75±0.30mm	Fixed	M16	φ20×30.9	
5	C127MF0410M16	1/2.7"	4	F1	3MP	112°×91.5°×47° (16:9) 112°×81.7°×58.2° (4: 3)	7.00mm	38.30±0.30mm	Fixed	M16	φ20×38.3	
6	C127MF0610M16	1/2.7"	6	F1	3MP	74°×61°×33° (16: 9) 74°×56°×40° (4: 3)	7.90mm	41.10±0.30mm	Fixed	M16	φ20×41.1	