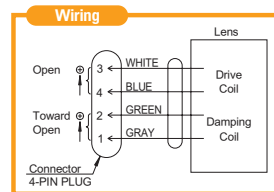
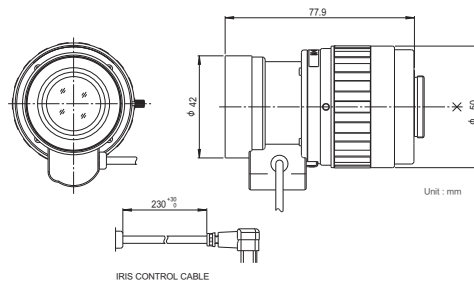


For Security Fixed Focal

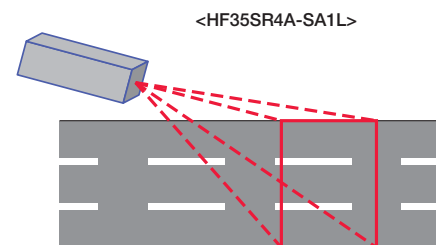
HF35SR4A-SA1L / HF50SR4A-SA1L

FIXED 5 Mega Day-Night DC C-mt METAL ND RoHS

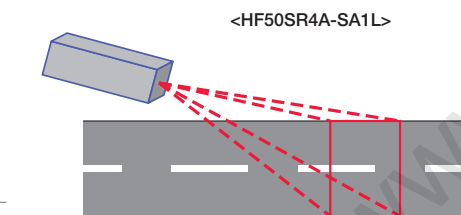


Design for ITS use

2 types for the different road condition



	H (m) × V (m)
10.0 (m)	2.7 × 1.5
50.0 (m)	13.7 × 7.7
100.0 (m)	27.4 × 15.4



	H (m) × V (m)
10.0 (m)	1.9 × 1.1
50.0 (m)	9.6 × 5.4
100.0 (m)	19.2 × 10.8

Feature Indications

FIXED

Fixed Focal

High performance single focal lens for the best image quality

5 Mega

For Megapixel Camera

For 5 Megapixel Camera

Day~Night

Day & Night

Specially-designed lens supporting both visible light and near-infrared light to prevent out-of-focus of day & night cameras

DC

DC Auto Iris

Auto iris supporting DC-controlled cameras

C-mt

C Mount

Screw-in mounting commonly used in FA lenses

METAL

Metal Mount

Metal mounting with high accuracy and durability

ND

ND Filter

With the built-in ND filter, enables to optimize the brightness of the bright object in direct sunlight

RoHS

RoHS Compliant

	HF35SR4A-SA1L	HF50SR4A-SA1L
Focal Length (mm)	35	50
Iris Range	F2.0~T360	F2.8~T360
Operation	Manual	Manual
Focus	Auto (DC Type) (*1)	Auto (DC Type) (*1)
Angle Of View (HxV)	2/3" 14°20' × 10°46'	10°03' × 7°33'
	1/2" 10°27' × 7°51'	7°19' × 5°30'
	1/3" 7°51' × 5°53'	5°30' × 4°07'
	2/3" 15°36' × 8°48'	10°57' × 6°10'
Angle Of View (HxV)	1/2" 11°22' × 6°25'	7°58' × 4°29'
	1/3" 8°33' × 4°49'	5°59' × 3°22'
Focusing Range (From Front Of The Lens) (m)	∞ ~ 0.75	∞ ~ 1.0
Object Dimensions at M.O.D. (HxV) (mm)	2/3" 191 × 143	179 × 134
	1/2" 139 × 104	130 × 97
	1/3" 104 × 78	97 × 73
Object Dimensions at M.O.D. (HxV) (mm)	2/3" 208 × 117	195 × 109
	1/2" 151 × 85	142 × 80
	1/3" 114 × 64	106 × 60
Back Focal Distance (in air) (mm)	19.65	19.16
Exit Pupil Position (From Image Plane) (mm)	-75	599
Filter Thread (mm)	M40.5 × 0.5	M40.5 × 0.5
Mount	C	C
Mass (g)	270	260
Coil Resistance	Drive Coil 190Ω Damping Coil 1,150Ω	Drive Coil 190Ω Damping Coil 1,150Ω
Current Consumption	23mA (Max.) at DC 4V	23mA (Max.) at DC 4V
Remarks	With Metal Mount (*1) When power is turned off, iris will automatically close.	With Metal Mount (*1) When power is turned off, iris will automatically close.

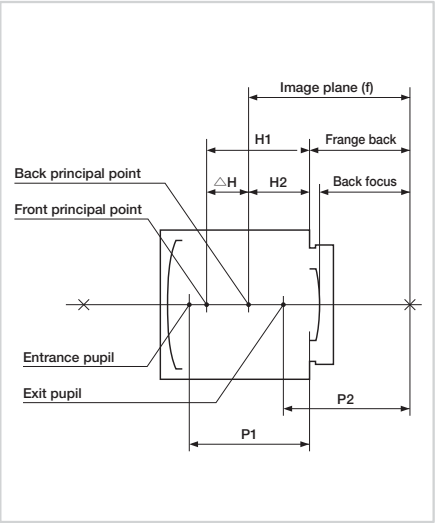
For design help, accessories or pricing, please contact:
sales@avsupply or call: 1-858-565-1101

OPTICAL DATA (FA/Machine Vision LENS)

Sensor size	Product name	Focal Length	Aperture/Full open	Front principal point H1 (from Mount)	Back principal point H2 (from Mount)	Distance between the principal points ΔH
1/2"	DF6HA-1B	6.15	1.2	-16.45	11.38	27.82
	HF9HA-1B	9.23	1.4	-12.91	8.30	21.21
	HF12.5HA-1B	12.88	1.4	-2.85	4.64	7.49
	HF16HA-1B	16.49	1.4	3.05	1.03	-2.02
	HF25HA-1B	25.81	1.4	1.82	-8.28	-10.10
	HF35HA-1B	34.99	1.6	-9.00	-17.47	-8.46
	HF50HA-1B	49.57	2.3	-42.64	-32.04	10.59
2/3"	HF75HA-1B	75.01	2.8	-100.77	-57.48	43.29
	HF12.5SA-1	12.83	1.4	-33.68	4.70	38.37
	HF16SA-1	16.33	1.4	-24.15	1.20	25.35
	HF25SA-1	24.00	1.4	-23.47	-6.47	17.00
	HF35SA-1	35.74	1.4	-1.27	-18.21	-16.94
	HF50SA-1	51.72	1.8	-1.87	-34.19	-32.32
	HF75SA-1	74.97	1.8	-34.56	-57.45	-22.89
	HF35SR4A-SA1L	35.00	2.0	-19.33	-17.47	1.85
	HF50SR4A-SA1L	50.00	2.8	18.09	-32.47	-50.56
	CF12.5HA-1	12.83	1.4	-33.68	4.70	38.37
1"	CF16HA-1	16.33	1.4	-24.15	1.20	25.35
	CF25HA-1	24.00	1.4	-23.47	-6.47	17.00
	CF35HA-1	35.74	1.4	-1.27	-18.21	-16.94
	CF50HA-1	51.72	1.8	-1.87	-34.19	-32.32
	CF75HA-1	74.97	1.8	-34.56	-57.45	-22.89
	TF2.8DA-8	2.86	2.2	-33.74	14.67	48.41
1/3" (3CCD)	TF4DA-8	4.15	2.2	-28.46	13.37	41.83
	TF8DA-8B	8.23	2.2	-10.81	9.30	20.10
	TF15DA-8	15.26	2.2	-0.33	2.27	2.60
	TF25DA-8B	24.94	2.2	14.49	-7.42	-21.91
	FE185C046HA-1	1.43	1.4	-38.26	16.10	54.36
Fish-Eye	FE185C057HA-1	1.78	1.4	-37.55	15.75	53.30
	FE185C086HA-1	2.68	1.8	-35.00	14.85	49.85

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Entrance pupil position P1 (from Mount)	Exit pupil position P2 (from Image plane)	Back focal distance (in air)	Distortion	Relative illumination (Aperture: at full open, Image height: at diagonal)
-21.8	-46	11.44	-1.93%	39
-19.1	-28	13.48	-2.09%	32
-10.3	-31	15.09	-2.01%	35
-4.5	-30	15.15	-0.96%	35
-3.0	-32	14.58	-0.27%	46
2.1	-27	15.00	0.03%	56
5.8	-25	15.25	0.04%	61
35.4	-27	15.75	0.27%	63
-44.9	-101	16.07	-0.30%	68
-38.9	-172	17.99	-0.08%	78
-43.3	-139	22.32	-0.18%	72
-2.1	-37	14.99	-0.07%	62
0.5	-49	17.81	-0.03%	75
-2.2	-52	24.43	-0.03%	72
-37.8	-74	19.65	-0.02%	74
-26.7	-484	19.16	0.07%	80
-44.9	-101	16.07	0.17%	40
-38.9	-172	17.99	0.31%	34
-43.3	-139	22.32	0.02%	39
-2.1	-37	14.99	-0.15%	43
0.5	-49	17.81	-0.06%	62
-2.2	-52	24.43	-0.06%	67
-36.7	101	14.51	-6.25%	51
-32.8	88	14.61	-3.78%	53
-18.6	-178	14.83	-1.32%	30
-12.9	-89	16.32	-0.33%	34
-5.1	-120	15.12	-0.12%	30
-39.7	-227	9.70	-0.47% ※	75
-39.3	-66	9.70	-0.80% ※	74
-37.5	-41	9.75	-0.53% ※	84



※ $y=f\cdot\theta$