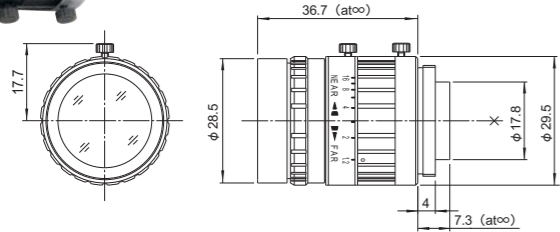


For FA/Machine Vision Fixed Focal

DF6HA-1B

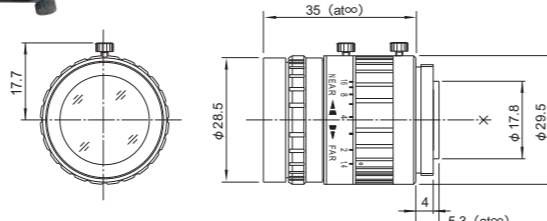
FIXED WIDE 1.5 Mega MANUAL C-MT METAL F1.2



Unit : mm

HF9HA-1B

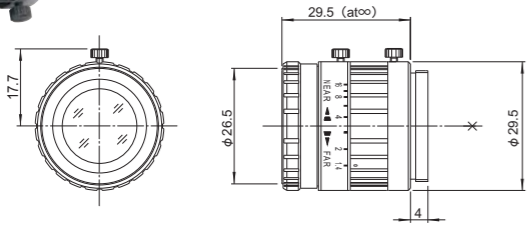
FIXED WIDE 1.5 Mega MANUAL C-MT METAL F1.4



Unit : mm

HF12.5HA-1B

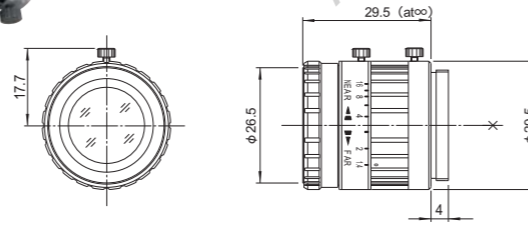
FIXED 1.5 Mega MANUAL C-MT METAL F1.4



Unit : mm

HF16HA-1B

FIXED 1.5 Mega MANUAL C-MT METAL F1.4



Unit : mm

Feature Indications

- FIXED** Fixed Focal
High performance single focal lens for the best image quality
- WIDE** Wide Angle
Wide angle lens which ensures wide field of view
- MANUAL** Manual Iris
Manually-operated iris
- 1.5 Mega** For Megapixel Camera
For 1.5 Megapixel Camera
- C-mt** C Mount
Screw-in mounting commonly used in FA lenses
- METAL** Metal Mount
Metal mounting with high accuracy and durability
- F1.4** Wide Aperture Rate
Lens with the wide aperture rate, optimizing the sensitivity of cameras
- LOCK** With locking knob for iris and focus

Model Explanation

Image Size	H	F	9	HA-1	SA-1
	1/2"	2/3"	1"	Megapixel Support	5 megapixel
			Fixed Focal		
			Focal Length		
					HA-1B
					1.5 megapixel

1.5 Megapixel

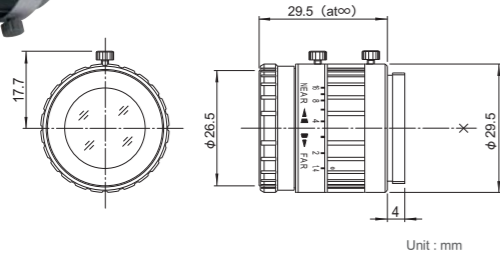
- High-resolution design, providing support for up to 1.5 megapixel camera resolution.
- Low-distortion design achieving accurate image input.
- Focus & iris lock tab provided, supporting environments such as vibration.

	DF6HA-1B	HF9HA-1B	HF12.5HA-1B	HF16HA-1B
Focal Length (mm)	6	9	12.5	16
Iris Range	F1.2~F16	F1.4~F16	F1.4~F16	F1.4~F16
Operation	Focus	Manual	Manual	Manual
	Iris	Manual	Manual	Manual
Angle Of View (HxV)	1/2"	56°09' × 43°36'	2/3"	52°06' × 40°16'
	1/3"	43°36' × 33°24'	1/2"	39°09' × 29°52'
	1/4"	33°24' × 25°22'	1/3"	29°52' × 22°37'
Focusing Range (From Front Of The Lens) (m)	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.1
Object Dimensions at M.O.D. (HxV) (mm)	1/2"	122 × 92	2/3"	108 × 81
	1/3"	92 × 69	1/2"	79 × 59
	1/4"	69 × 52	1/3"	59 × 44
Back Focal Distance (in air) (mm)	11.44	13.48	15.09	15.15
Exit Pupil Position (From Image Plane) (mm)	-46	-28	-31	-31
Filter Thread (mm)	M27 × 0.5	M27 × 0.5	M25.5 × 0.5	M25.5 × 0.5
Mount	C	C	C	C
Mass (g)	55	55	45	45
Remarks	With Metal Mount	With Metal Mount	With Metal Mount	With Metal Mount

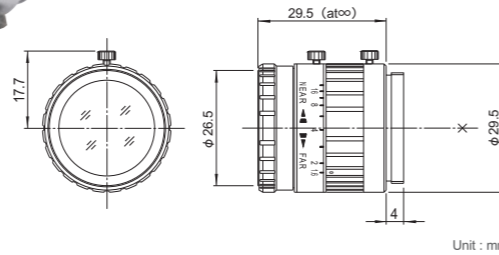
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For FA/Machine Vision Fixed Focal

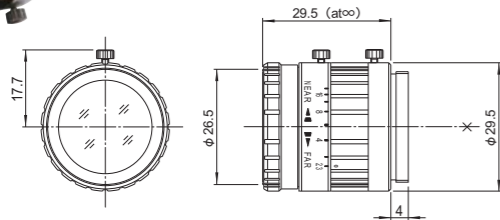
HF25HA-1B



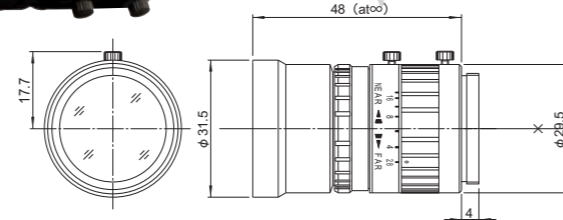
HF35HA-1B



HF50HA-1B



HF75HA-1B



Unit : mm For more information please contact Aegis Electronic Group, Inc. *(888)687-6877 *aegis-g2@aegiselect.com *http://www.aegiselect.com

Feature Indications

- FIXED** Fixed Focal
High performance single focal lens for the best image quality
- 1.5 Mega** For Megapixel Camera
For 1.5 Megapixel Camera
- MANUAL** Manual Iris
Manually-operated iris
- METAL** Metal Mount
Metal mounting with high accuracy and durability
- F1.4 F1.6** Wide Aperture Rate
Lens with the wide aperture rate, optimizing the sensitivity of cameras
- C-mt** C Mount
Screw-in mounting commonly used in FA lenses
- Locking Knob** With locking knob for iris and focus

Model Explanation

Image Size	H	F	25	HA-1	SA-1 5 megapixel
D ...1/2"	H ...2/3"	C ...1"	Fixed Focal	Focal Length	Megapixel Support
					HA-1B 1.5 megapixel

1.5 Megapixel

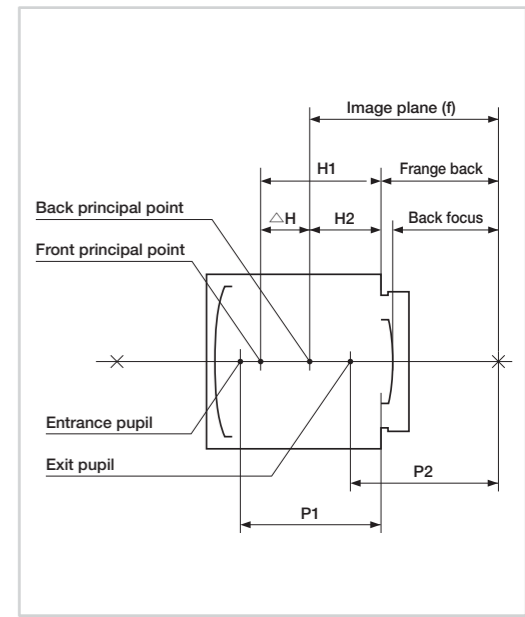
- High-resolution design, providing support for up to 1.5 megapixel camera resolution.
- Low-distortion design achieving accurate image input.
- Focus & iris lock tab provided, supporting environments such as vibration.

	HF25HA-1B	HF35HA-1B	HF50HA-1B	HF75HA-1B
Focal Length (mm)	25	35	50	75
Iris Range	F1.4-F16	F1.6-F22	F2.3-F22	F2.8-F22
Operation	Manual	Manual	Manual	Manual
Angle Of View (HxV)	2/3" 19°58' x 15°02'	2/3" 14°20' x 10°46'	2/3" 10°03' x 7°33'	2/3" 6°43' x 5°02'
	1/2" 14°35' x 10°58'	1/2" 10°27' x 7°51'	1/2" 7°19' x 5°30'	1/2" 4°53' x 3°40'
	1/3" 10°58' x 8°14'	1/3" 7°51' x 5°53'	1/3" 5°30' x 4°07'	1/3" 3°40' x 2°45'
Focusing Range (From Front Of The Lens) (m)	∞ ~ 0.15	∞ ~ 0.25	∞ ~ 0.5	∞ ~ 1.1
Object Dimensions at M.O.D. (HxV) (mm)	2/3" 53 x 40	2/3" 59 x 44	2/3" 77 x 57	2/3" 114 x 85
	1/2" 38 x 29	1/2" 43 x 32	1/2" 56 x 42	1/2" 83 x 62
	1/3" 29 x 22	1/3" 32 x 24	1/3" 42 x 31	1/3" 62 x 47
Back Focal Distance (in air) (mm)	14.58	15.03	15.26	15.74
Exit Pupil Position (From Image Plane) (mm)	-32	-27	-25	-27
Filter Thread (mm)	M25.5 x 0.5	M25.5 x 0.5	M25.5 x 0.5	M30.5 x 0.5
Mount	C	C	C	C
Mass (g)	45	45	45	55
Remarks	With Metal Mount	With Metal Mount	With Metal Mount	With Metal Mount

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
2/3"	HF50HA-1B	49.57	2.3	-42.64	-32.04	10.59
	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
1"	CF12.5HA-1	12.83	1.4	-33.68	4.70	38.37
	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
1/3" (3CCD)	TF2.8DA-8	2.86	2.2	-33.74	14.67	48.41
	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
Fish-Eye	FE185C046HA-1	1.43	1.4	-38.26	16.10	54.36
	FE185C057HA-1	1.78	1.4	-37.55	15.75	53.30
	FE185C086HA-1	2.68	1.8	-35.00	14.85	49.85

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
27.5	-41	9.75	-0.53% ※	84



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