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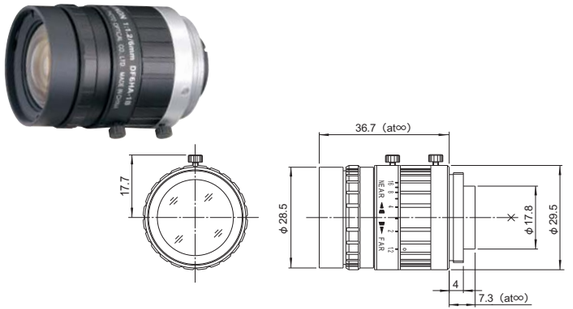
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Find the *FujiFilm / Fujinon HF16HA-1B* at our website: *Click HERE*

For FA/Machine Vision Fixed Focal

DF6HA-1B

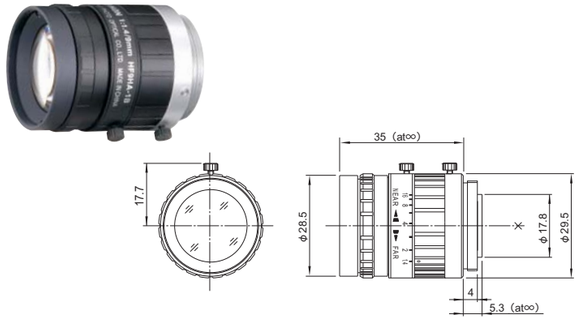
FIXED WIDE 1.5 Mega MANUAL C-mt METAL F1.2



Unit : mm

HF9HA-1B

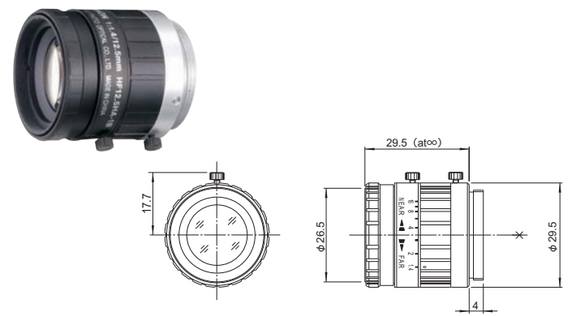
FIXED WIDE 1.5 Mega MANUAL C-mt METAL F1.4



Unit : mm

HF12.5HA-1B

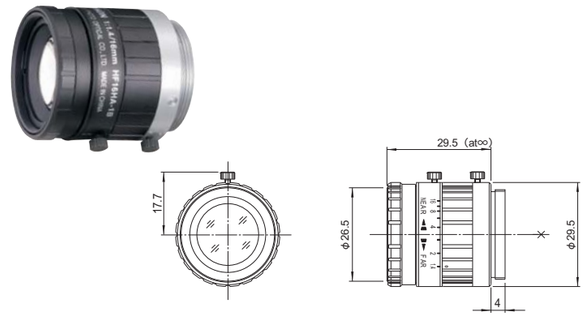
FIXED 1.5 Mega MANUAL C-mt METAL F1.4



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

MANUAL — Manual Iris
Manually-operated iris

C-mt — C Mount
Screw-in mounting commonly used in FA lenses

F1.4 — Wide Aperture Rate
Lens with the wide aperture rate, optimizing the sensitivity of cameras

WIDE — Wide Angle
Wide angle lens which ensures wide field of view

1.5 Mega — For Megapixel Camera
For 1.5 Megapixel Camera

METAL — Metal Mount
Metal mounting with high accuracy and durability

··· With locking knob for iris and foucs

Model Explanation

Image Size		Fixed Focal	Focal Length	Megapixel Support	
D ···1/2" H ···2/3" C ···1"	H	F	9	HA-1	SA-1 5 megapixel 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	Manual
	Iris	Manual	Manual	Manual	Manual
Angle Of View (H×V)	1/2"	56°09' × 43°36'	52°06' × 40°16'	38°47' × 29°35'	30°45' × 23°18'
	1/3"	43°36' × 33°24'	39°09' × 29°52'	28°43' × 21°44'	22°37' × 17°04'
	1/4"	33°24' × 25°22'	29°52' × 22°37'	21°44' × 16°23'	17°04' × 12°50'
Focusing Range (From Front Of The Lens) (m)		∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.1
Object Dimensions at M.O.D. (H×V) (mm)	1/2"	122 × 92	108 × 81	78 × 58	63 × 47
	1/3"	92 × 69	79 × 59	57 × 42	46 × 34
	1/4"	69 × 52	59 × 44	42 × 32	34 × 26
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

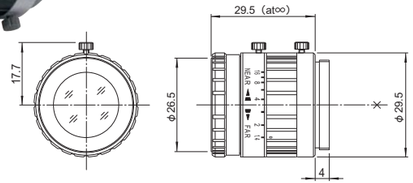
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For FA/Machine Vision Fixed Focal

HF25HA-1B

FIXED 1.5 Mega MANUAL C-mt METAL F1.4



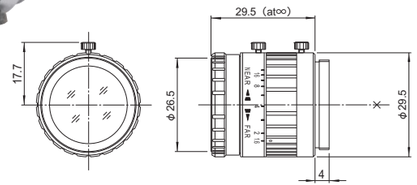


Unit : mm

HF35HA-1B

FIXED 1.5 Mega MANUAL C-mt METAL F1.6



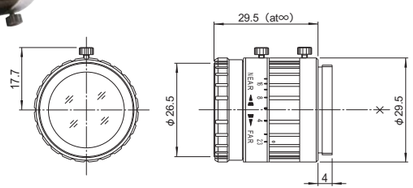


Unit : mm

HF50HA-1B

FIXED 1.5 Mega MANUAL C-mt METAL



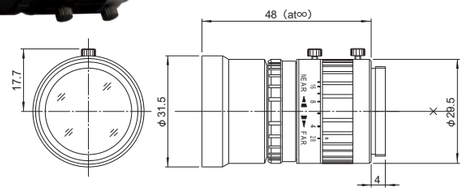


Unit : mm

HF75HA-1B

FIXED 1.5 Mega MANUAL C-mt METAL





Unit : mm

Feature Indications

FIXED — Fixed Focal
High performance single focal lens for the best image quality

MANUAL — Manual Iris
Manually-operated iris

F1.4 F1.6 — Wide Aperture Rate
Lens with the wide aperture rate, optimizing the sensitivity of cameras

1.5 Mega — For Megapixel Camera
For 1.5 Megapixel Camera

METAL — Metal Mount
Metal mounting with high accuracy and durability

C-mt — C Mount
Screw-in mounting commonly used in FA lenses

··· With locking knob for iris and foucs

Model Explanation

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

1.5 Megapixel

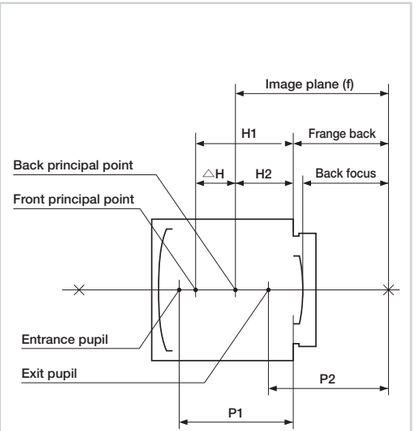
- High-resolution design, providing support for up to 1.5 megapixel camera resolution.
- Low-distortion design achieving accurate image input.
- Focus & iris lock tab provided, supporting environments such as vibration.

		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	Focus	Manual	Manual	Manual	Manual
	Iris	Manual	Manual	Manual	Manual
Angle Of View (H×V)	2/3"	19°58' × 15°02'	14°20' × 10°46'	10°03' × 7°33'	6°43' × 5°02'
	1/2"	14°35' × 10°58'	10°27' × 7°51'	7°19' × 5°30'	4°53' × 3°40'
	1/3"	10°58' × 8°14'	7°51' × 5°53'	5°30' × 4°07'	3°40' × 2°45'
Focusing Range (From Front Of The Lens) (m)		∞ ~ 0.15	∞ ~ 0.25	∞ ~ 0.5	∞ ~ 1.1
Object Dimensions at M.O.D. (H×V) (mm)	2/3"	53 × 40	59 × 44	77 × 57	114 × 85
	1/2"	38 × 29	43 × 32	56 × 42	83 × 62
	1/3"	29 × 22	32 × 24	42 × 31	62 × 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 × 0.5	M25.5 × 0.5	M25.5 × 0.5	M30.5 × 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

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OPTICAL DATA (FA/Machine Vision LENS)

Sensor size	Product name	Focal Length	Aperture/Full open	Front principal point H_1 (from Mount)	Back principal point H_2 (from Mount)	Distance between the pincipal points △H	Entrance pupil position P_1 (from Mount)	Exit pupil position P_2 (from Image plane)	Back focal distance (in air)	Distortion	Relative illumination (Aperture: at full open. Image height: at diagonal)
1/2"	DF6HA-1B	6.15	1.2	-16.45	11.38	27.82	-21.8	-46	11.44	-1.93%	39
2/3"	HF9HA-1B	9.23	1.4	-12.91	8.30	21.21	-19.1	-28	13.48	-2.09%	32
	HF12.5HA-1B	12.88	1.4	-2.85	4.64	7.49	-10.3	-31	15.09	-2.01%	35
	HF16HA-1B	16.49	1.4	3.05	1.03	-2.02	-4.5	-30	15.15	-0.96%	35
	HF25HA-1B	25.81	1.4	1.82	-8.28	-10.10	-3.0	-32	14.58	-0.27%	46
	HF35HA-1B	34.99	1.6	-9.00	-17.47	-8.46	2.1	-27	15.00	0.03%	56
	HF50HA-1B	49.57	2.3	-42.64	-32.04	10.59	5.8	-25	15.25	0.04%	61
	HF75HA-1B	75.01	2.8	-100.77	-57.48	43.29	35.4	-27	15.75	0.27%	63
	HF12.5SA-1	12.83	1.4	-33.68	4.70	38.37	-44.9	-101	16.07	-0.30%	68
	HF16SA-1	16.33	1.4	-24.15	1.20	25.35	-38.9	-172	17.99	-0.08%	78
	HF25SA-1	24.00	1.4	-23.47	-6.47	17.00	-43.3	-139	22.32	-0.18%	72
	HF35SA-1	35.74	1.4	-1.27	-18.21	-16.94	-2.1	-37	14.99	-0.07%	62
	HF50SA-1	51.72	1.8	-1.87	-34.19	-32.32	0.5	-49	17.81	-0.03%	75
	HF75SA-1	74.97	1.8	-34.56	-57.45	-22.89	-2.2	-52	24.43	-0.03%	72
	HF35SR4A-SA1L	35.00	2.0	-19.33	-17.47	1.85	-37.8	-74	19.65	-0.02%	74
	HF50SR4A-SA1L	50.00	2.8	18.09	-32.47	-50.56	-26.7	-484	19.16	0.07%	80
1"	CF12.5HA-1	12.83	1.4	-33.68	4.70	38.37	-44.9	-101	16.07	0.17%	40
	CF16HA-1	16.33	1.4	-24.15	1.20	25.35	-38.9	-172	17.99	0.31%	34
	CF25HA-1	24.00	1.4	-23.47	-6.47	17.00	-43.3	-139	22.32	0.02%	39
	CF35HA-1	35.74	1.4	-1.27	-18.21	-16.94	-2.1	-37	14.99	-0.15%	43
	CF50HA-1	51.72	1.8	-1.87	-34.19	-32.32	0.5	-49	17.81	-0.06%	62
	CF75HA-1	74.97	1.8	-34.56	-57.45	-22.89	-2.2	-52	24.43	-0.06%	67
1/3" (3CCD)	TF2.8DA-8	2.86	2.2	-33.74	14.67	48.41	-36.7	101	14.51	-6.25%	51
	TF4DA-8	4.15	2.2	-28.46	13.37	41.83	-32.8	88	14.61	-3.78%	53
	TF8DA-8B	8.23	2.2	-10.81	9.30	20.10	-18.6	-178	14.83	-1.32%	30
	TF15DA-8	15.26	2.2	-0.33	2.27	2.60	-12.9	-89	16.32	-0.33%	34
	TF25DA-8B	24.94	2.2	14.49	-7.42	-21.91	-5.1	-120	15.12	-0.12%	30
Fish-Eye	FE185C046HA-1	1.43	1.4	-38.26	16.10	54.36	-39.7	-227	9.70	-0.47% ※	75
	FE185C057HA-1	1.78	1.4	-37.55	15.75	53.30	-39.3	-66	9.70	-0.80% ※	74
	FE185C086HA-1	2.68	1.8	-35.00	14.85	49.85	-37.5	-41	9.75	-0.53% ※	84



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