HF12.5SA-1	FIXED 5. MANUAL C-mt METAL F1.4
	4



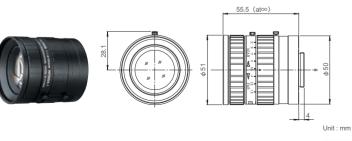
FIXED 5 MANUAL C-mt METAL F1.4 🔒

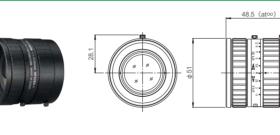
75.5 (at∞) 4

FIXED 5 MANUAL C-mt METAL F1.4



HF25SA-1





Unit : mm

HF16SA-1



4

Unit : mm

4

Unit : mm

Feature Indications



··· Using an extension tube longer than 5mm the M.O.D. will increase to 0.3m

... Using an extension tube longer than 5mm the M.O.D. will increase to 0.5m

		HF12.5SA-1	HF16SA-1	HF25SA-1	HF35SA-1	HF50SA-1	HF75SA-1
Focal Length (mm)		12.5	16	25	35	50	75
Iris Range		F1.4~F22	F1.4~F22	F1.4~F22	F1.4~F22	F1.8~F22	F1.8~F22
Operation	Focus	Manual	Manual	Manual	Manual	Manual	Manual
	Iris	Manual	Manual	Manual	Manual	Manual	Manual
	2/3"	38°47' × 29°35'	30°45' × 23°18'	19°58' × 15°02'	14°20' × 10°46'	10°03' × 7°33'	6°43' × 5°02'
Angle Of View	1/2"	28°43' × 21°44'	22°37' × 17°04'	14°35' × 10°58'	10°27' × 7°51'	7°19' × 5°30'	4°53' × 3°40'
(H×V)	1/3"	21°44' × 16°23'	17°04' × 12°50'	10°58' × 8°14'	7°51' × 5°53'	5°30' × 4°07'	3°40' × 2°45'
Focusing Range From Front Of The Le	ens) (m)	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.2	∞ ~ 0.4	∞ ~ 0.9
Object Dimensions	2/3"	83 × 62	69 × 51	44 × 33	50 × 38	70 × 52	101 × 76
at M.O.D.	1/2"	60 × 45	50 × 37	32 × 24	37 × 27	51 × 38	74 × 55
(H×V) (mm)	1/3"	45 × 34	37 × 28	24 × 18	27 × 21	38 × 28	55 × 41
Back Focal Distance (i	n air) (mm)	16.07	17.99	22.32	14.99	17.81	24.43
Exit Pupil Position From Image Plane) (n	nm)	-101	-172	-140	-37	-49	-52
Filter Thread (mm)		M49 × 0.75	M49 × 0.75				
Mount		С	С	С	С	С	С
Mass (g)		295	285	315	185	240	305
Remarks		With Metal Mount	With Metal Mou				

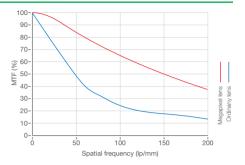
Megapixel Supporting Lens

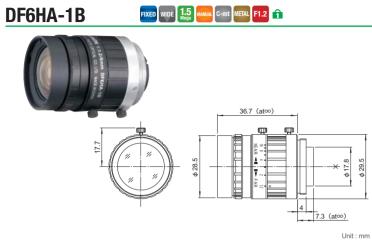
lens. MTF becomes bigger.

5 MEGA-PIXEL

We have realized a high resolution, compact, and lightweight lens supporting to megapixel by thoroughly reducing aberrations based on design technology cultivated from broadcast TV lenses. The chart shown at the right compares megapixel supporting lens and the MTF of an ordinary CCTV

As the number of TV lines increases, the disparity in



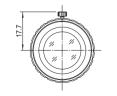


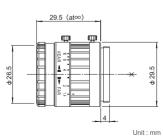


FIXED 1.5 MANUAL C-mt METAL F1.4

HF12.5HA-1B

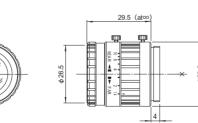








HF16HA-1B



Unit : mm

Feature Indications

FIXED

ANUA

C-mt

F1.4

Fixed Focal High performance single focal lens for the best image quality	WIDE	Wide Angle Wide angle lens which ensures wide field of view	Image Size
Manual Iris Manually-operated iris	1.5 Mega	For Megapixel Camera For 1.5 Megapixel Camera	D 1/2"
C Mount Screw-in mounting commonly used in FA lenses	METAL	Metal Mount Metal mounting with high accuracy and durability	1.5 Mega
Wide Aperture Rate	û	With locking knob for iris and foucs	 High-resolution Low-distortion Focus & iris loc

			DF6HA-1B		HF9HA-1B	 	HF12.5HA-1B	 	HF16HA-1B	
Focal Length (mm) 6		1	9		12.5		16			
ris Range			F1.2~F16	1	F1.4~F16	1	F1.4~F16		F1.4~F16	
	Focus		Manual	1	Manual		Manual		Manual	
Operation	Iris		Manual	1	Manual	l I	Manual	1	Manual	
		1/2"	56°09' × 43°36'	2/3"	52°06' × 40°16'	2/3"	38°47' × 29°35'	2/3"	30°45' × 23°18'	
ngle Of View		1/3"	43°36' × 33°24'	1/2"	39°09' × 29°52'	1/2"	28°43' × 21°44'	1/2"	22°37' × 17°04'	
(H×V)		1/4"	33°24' × 25°22'	1/3"	29°52' × 22°37'	1/3"	21°44' × 16°23'	1/3"	17°04' × 12°50'	
Focusing Range (From Front Of The Lens) (m)			∞ ~ 0.1	∞ ~ 0.1		1 	∞ ~ 0.1		∞ ~ 0.1	
		1/2"	122 × 92	2/3"	108 × 81	2/3"	78 × 58	2/3"	63 × 47	
bject Dimensions t M.O.D. (H×V) (mm)		1/3"	92 × 69	1/2"	79 × 59	1/2"	57 × 42	1/2"	46 × 34	
		1/4"	69 × 52	1/3"	59 × 44	1/3"	42 × 32	1/3"	34 × 26	
ack Focal Distance (in	air) (mm)		11.44	13.48		1	15.09		15.15	
xit Pupil Position From Image Plane) (mn	n)		-46	-28		-31		-31		
ilter Thread (mm)		M27 × 0.5			M27 × 0.5		M25.5 × 0.5		M25.5 × 0.5	
Nount	С		1	С		С		С		
Mass (g)		55			55		45		45	
Remarks	Remarks With Metal Mount		1	With Metal Mount		With Metal Mount		With Metal Mount		



Model Explanation



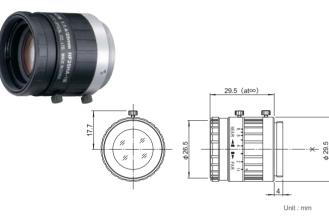
apixel

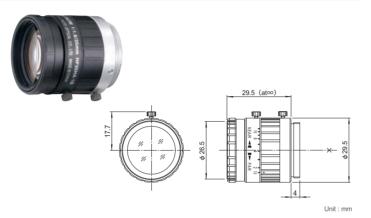
on design, providing support for up to 1.5 megapixel camera resolution.

n design achieving accurate image input.

ock tab provided, supporting environments such as vibration.

HF25HA-1B	FIXED 1.5 MANUAL C-mt METAL F1.4 1





FIXED 1.5 Manual C-mt METAL 🚹

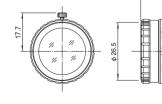
FIXED 1.5 MANUAL C-mt METAL F1.6 🔒

HF35HA-1B

HF75HA-1B

FIXED 1.5 MANUAL C-mt METAL 🔒 HF50HA-1B



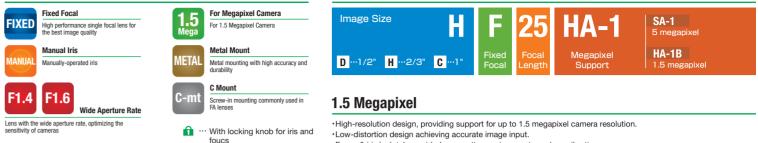




Feature Indications Fixed Focal

Manual Iris

F1.4 F1.6



		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
	2/3"	19°58' × 15°02'	14°20' × 10°46'	10°03' × 7°33'	6°43' × 5°02'
Angle Of View	1/2"	14°35' × 10°58'	10°27' × 7°51'	7°19' × 5°30'	4°53' × 3°40'
(H×V)	1/3"	10°58' × 8°14'	7°51' × 5°53'	5°30' × 4°07'	3°40' × 2°45'
Focusing Range (From Front Of The Le	ens) (m)	∞ ~ 0.15	∞ ~ 0.25	∞ ~ 0.5	∞ ~ 1.1
Object Dimensions	2/3"	53 × 40	59 × 44	77 × 57	114 × 85
at M.O.D.	1/2"	38 × 29	43 × 32	56 × 42	83 × 62
(H×V) (mm)	1/3"	29 × 22	32 × 24	42 × 31	62 × 47
Back Focal Distance (i	in air) (mm)	14.58	15.03	15.26	15.74
Exit Pupil Position (From Image Plane) (n	nm)	-32	-27	-25	-27
Filter Thread (mm)		M25.5 × 0.5	M25.5 × 0.5	M25.5 × 0.5	M30.5 × 0.5
Mount		С	С	С	С
Mass (g)		45	45	45	55
Remarks		With Metal Mount	With Metal Mount	With Metal Mount	With Metal Mount

Unit : mm

_____7 _____

29.5 (at∞)



Model Explanation

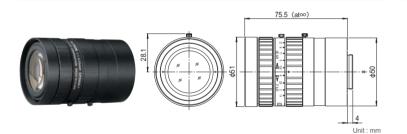
·Focus & iris lock tab provided, supporting environments such as vibration.



FIXED 1.5 MANUAL C-mt METAL F1.4

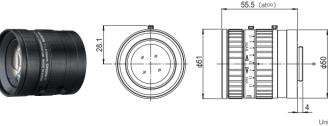


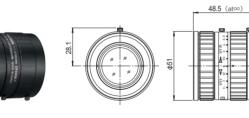
FIXED 1.5 MANUAL C-mt METAL F1.4





CF25HA-1





FIXED 1.5 MANUAL C-mt METAL F1.4





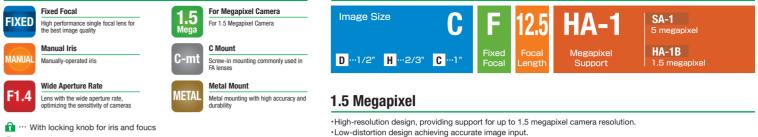
CF16HA-1

CF35HA-1

Feature Indications

F1

Unit : mm



··· Using an extension tube longer than 5mm the M.O.D. will increase to 0.3m

Using an extension tube longer than 5mm the M.O.D. will increase to 0.5m

		CF12.5HA-1	CF16HA-1	CF25HA-1	CF35HA-1	CF50HA-1	CF75HA-1
Focal Length (mm)		12.5	16	25	35	50	75
Iris Range		F1.4~F22	F1.4~F22	F1.4~F22	F1.4~F22	F1.8~F22	F1.8~F22
Operation	Focus	Manual	Manual	Manual	Manual	Manual	Manual
	Iris	Manual	Manual	Manual	Manual	Manual	Manual
	1"	54°13' × 42°01'	43°36' × 33°24'	28°43' × 21°44'	20°43' × 15°37'	14°35' × 10°58'	9°45' × 7°19'
Angle Of View	2/3"	38°47' × 29°35'	30°45' × 23°18'	19°58' × 15°02'	14°20' × 10°46'	10°03' × 7°33'	6°43' × 5°02'
(H×V)	1/2"	28°43' × 21°44'	22°37' × 17°04'	14°35' × 10°58'	10°27' × 7°51'	7°19' × 5°30'	4°53' × 3°40'
Focusing Range From Front Of The Le	ns) (m)	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.2	∞ ~ 0.4	∞ ~ 0.9
Object Dimensions	1"	120 × 90	100 × 75	65 × 48	73 × 55	101 × 76	147 × 111
at M.O.D.	2/3"	83 × 62	69 × 51	44 × 33	50 × 38	70 × 52	101 × 76
(H×V) (mm)	1/2"	60 × 45	50 × 37	32 × 24	37 × 27	51 × 38	74 × 55
Back Focal Distance (i	n air) (mm)	16.07	17.99	22.32	14.99	17.81	24.43
Exit Pupil Position From Image Plane) (m	ım)	-101	-172	-140	-37	-49	-52
Filter Thread (mm)		M49 × 0.75	M49 × 0.75				
Mount		С	С	С	C	C	С
Mass (g)		290	280	310	180	235	300
Remarks		With Metal Mount	With Metal Mour				

_____ 10 _____



Model Explanation

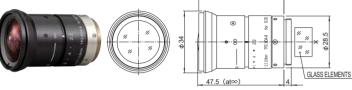
·Focus & iris lock tab provided, supporting environments such as vibration.

For FA/Machine Vision 3CCD Camera



TF8DA-8B

TF25DA-8B

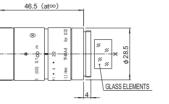


FIXED 3CCD MANUAL C-mt METAL

FIXED 3CCD MANUAL C-mt METAL



FIXED 3CCD MANUAL C-mt METAL



Unit : mm

Unit : mm



Unit : mm

Unit : mm

TF4DA-8

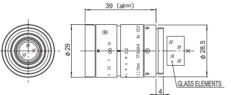




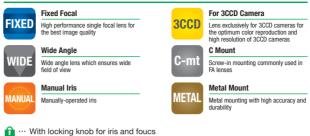








Feature Indications



					Ir	nage height
		TF2.8DA-8	TF4DA-8	TF8DA-8B	TF15DA-8	TF25DA-8B
Focal Length (mm)		2.8	4	8	15	25
Iris Range		F2.2~F16·Close	F2.2~F16·Close	F2.2~F16·Close	F2.2~F16·Close	F2.2~F16·Close
Onevetien	Focus	Manual	Manual	Manual	Manual	Manual
Operation	Iris	Manual	Manual	Manual	Manual	Manual
Angle Of View (H×V)	1/3"	89°08' × 69°20'	61°56' × 48°27'	33°24' × 25°22'	18°11' × 13°41'	10°58' × 8°14'
Focusing Range (From Front Of The Le	ens) (m)	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.1	∞ ~ 0.2
Object Dimensions at M.O.D. (H×V) (mm)	1/3"	218 × 153	131 × 98	66 × 50	36 × 27	42 × 32
Back Focal Distance (in air) (mm)	14.49	14.61	14.83	16.32	15.12
Exit Pupil Position (From Image Plane) (r	nm)	98	88	-176	-89	-120
Filter Thread (mm)	-	-	M27 × 0.5	M25.5 × 0.5	M25.5 × 0.5	M25.5 × 0.5
Mount		С	С	С	С	С
Mass (g)		75	70	60	60	60
Remarks		With Metal Mount				

39 (at∞)



_____ 11 _____

camera.

3CCD CAMERA LENS

3CCD Camera Lens

3CCD cameras have thicker glass between the lens and the CCD than single CCD cameras because they have three CCDs to correspond with the red, blue and green colors separated in the prism. Fujinon 3CCD lenses are designed to optimally match with 3CCD cameras. The chart shown at the right explains the difference in MTF when a 3CCD lens and a single CCD lens is mounted on a 3CCD

