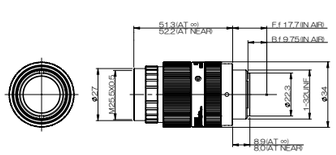
HF-XA-1F series, 2/3"-1/1.2", 3.45µm, 5MP

4D High Resolution | Anti Shock & Vibration

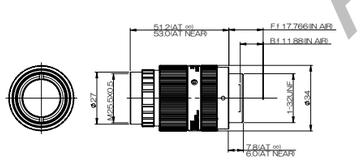
- Compact design

	Anti Shock & Vibration HF8XA-1F	Anti Shock & Vibration HF12XA-1F	Anti Shock & Vibration HF16XA-1F	Anti Shock & Vibration HF25XA-1F	Anti Shock & Vibration HF35XA-1F
Focal length [mm]	8	12	16	25	35
Iris range [F. no]	F1.6, F4, F8 (Selection)	F1.6, F4, F8 (Selection)	F1.6, F4, F8 (Selection)	F1.6, F4.6, F9.2 (Selection)	F1.9, F5.2, F10.4 (Selection)
Angle of view : 2/3"	58.4°×44.6°	40.1°×30.3°	31.4°×23.7°	20.0°×15.0°	14.2°×10.7°
Working Distance*1 [mm]	∞-100	∞-100	∞-100	∞-100	∞-200
Operation of focus	Fixed	Fixed	Fixed	Fixed	Fixed
Operation of iris	Fixed	Fixed	Fixed	Fixed	Fixed
Filter thread [mm]	M25.5 x 0.5	M25.5 x 0.5	M25.5 x 0.5	M25.5 x 0.5	M25.5 x 0.5
Mount	C-mount	C-mount	C-mount	C-mount	C-mount
Weight (approx.) [g]	97	99	94	87	75
Sensor size (std.)*2	2/3"(3.45µm)	2/3"(3.45µm)	2/3"(3.45µm)	2/3"(3.45µm)	2/3"(3.45µm)
Sensor size (max.)*3	2/3"(3.45µm)	1/1.2"(4.5µm)	1/1.2"(4.5µm)	1/1.2"(4.5µm)	1/1.2"(4.5µm)
TV distortion [%]	-1.99	-1.26	-0.60	-0.07	0.10
Dimension [mm]	ø34×60.2	ø34×58.7	ø34×54.0	ø34×55.4	ø34×50.3

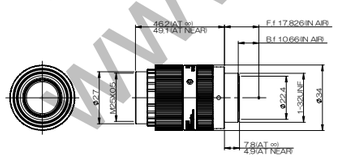
HF8XA-1F



HF12XA-1F



HF16XA-1F



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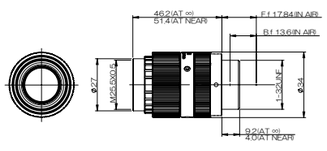
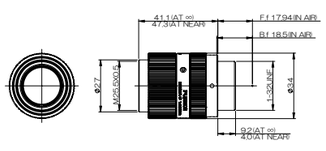


HF35XA-1F



*1 From front of lens barrel. *2 Sensor size(std.): Ideal size to maximize the target resolution.
*3 Sensor size(max.): Adaptable sensor size varies depending on the model. Please check the amount of light and resolution on the edges pertaining to your particular application.

HF-HA-1S series, 1/2"-2/3", 6.2µm, 1.5MP

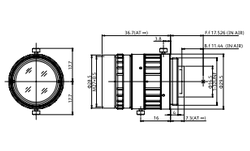
Anti Shock & Vibration

- Wide range of focal lengths with 8 models
- Compact design with an external diameter of 29.5mm*
- Large maximum aperture
- Short Minimum Object Distance

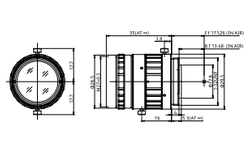
* HF75HA-1S has a diameter of 31.5mm

	Anti Shock & Vibration DF6HA-1S	Anti Shock & Vibration HF9HA-1S	Anti Shock & Vibration HF12.5HA-1S	Anti Shock & Vibration HF16HA-1S	Anti Shock & Vibration HF25HA-1S	Anti Shock & Vibration HF35HA-1S	Anti Shock & Vibration HF50HA-1S	Anti Shock & Vibration HF75HA-1S
Focal length [mm]	6	9	12.5	16	25	35	50	75
Iris range [F. no]	F1.2-F16	F1.4-F16	F1.4-F16	F1.4-F16	F1.4-F16	F1.6-F22	F2.3-F22	F2.8-F22
Angle of view	57.3°×43.8°(1/2")	53.3°×40.5°(2/3")	39.2°×29.4°(2/3")	30.5°×22.9°(2/3")	19.4°×14.6°(2/3")	14.3°×10.8°(2/3")	10.1°×7.6°(2/3")	6.7°×5.0°(2/3")
Working Distance*1 [mm]	∞-10	∞-40	∞-20	∞-40	∞-120	∞-230	∞-500	∞-1,100
Operation of focus	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Operation of iris	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Filter thread [mm]	M27×0.5	M27×0.5	M25.5×0.5	M25.5×0.5	M25.5×0.5	M25.5×0.5	M25.5×0.5	M30.5×0.5
Mount	C-mount	C-mount	C-mount	C-mount	C-mount	C-mount	C-mount	C-mount
Weight (approx.) [g]	50	50	40	40	40	40	40	50
Sensor size (std.)*2	1/2"(4.5µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)
Sensor size (max.)*3	1/2"(4.5µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)	2/3"(6.2µm)
TV distortion [%]	-1.84	-2.00	-1.95	-0.87	-0.19	0.10	0.06	0.36
Dimension [mm]	ø29.5×36.7	ø29.5×35	ø29.5×29.5	ø29.5×29.5	ø29.5×29.5	ø29.5×29.5	ø29.5×29.5	ø31.5×48

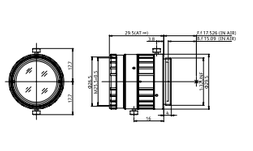
DF6HA-1S



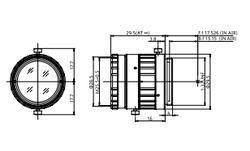
HF9HA-1S



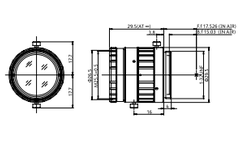
HF12.5HA-1S



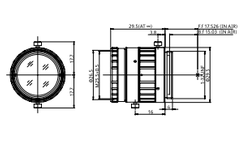
HF16HA-1S



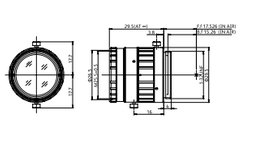
HF25HA-1S



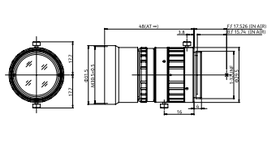
HF35HA-1S



HF50HA-1S



HF75HA-1S



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