

■ High resolution lenses

HF-HA-1S series

Fujinon HF-HA-1S series is the high-resolution lens that support 2/3" type* and 6.2μm pixel pitch (equivalent to 1.5 mega-pixel) .

*DF6HA-1S supports 1/2 type.

HF-HA-1S series specification sheet

HF-HA-1S series has the same optical performance and dimension with HF-HA-1B series.

Model (old model name)	Compatible format sizes								Focal length (mm)
	4/3	1.1	1	1/1.2	2/3	1/1.8	1/2	1/3	
▶ DF6HA-1S (DF6HA-1B)	—	—	—	—	—	—	●	●	6
▶ HF9HA-1S (HF9HA-1B)	—	—	—	—	●	●	●	●	9
▶ HF12.5HA-1S (HF12.5HA-1B)	—	—	—	—	●	●	●	●	12.5
▶ HF16HA-1S (HF16HA-1B)	—	—	—	—	●	●	●	●	16
▶ HF25HA-1S (HF25HA-1B)	—	—	—	—	●	●	●	●	25
▶ HF35HA-1S (HF35HA-1B)	—	—	—	—	●	●	●	●	35
▶ HF50HA-1S (HF50HA-1B)	—	—	—	—	●	●	●	●	50
▶ HF75HA-1S (HF75HA-1B)	—	—	—	—	●	●	●	●	75

- Compatible sensor size (std.): Ideal size to maximize the target resolution.



Main features

Vibration-resistant and impact-resistant design Anti Shock & Vibration

Adopt original mechanical design*, realize performance of vibration-resistance and impact-resistance Support various setting and environments

*The company's technology that has been patented

▶ Anti Shock & Vibration function



[According to JIS C 60068-2-6]

- Vibration frequency 10-60Hz (amplitude 0.75mm) vibration frequency 60-500Hz (acceleration 100m/S²)
- 50Cycle

Wide range lineup of 8 lenses

8 models with focusing 6mm~75mm join the product lineup with a broad use.

Compact design with outer diameter ϕ 29.5mm

Realize the compact design with outer diameter dimension ϕ 29.5mm

*Only HF75HA-1S is ϕ 31.5mm

Low F-number

The low F-number up to F1.2 ensures a clear image even in low light situations.

Lineup

Anti Shock & Vibration

DF6HA-1S



Focal length [mm]	6
Iris range (F. no)	F1.2-F16
Angle of view	57.3°x 43.8° (1/2")
Working Distance(※)(mm)	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M27 x 0.5
Mount	C-mount
Weight (approx.) [g]	50
Sensor size (max.)	1/2"
TV distortion [%]	-1.84
Dimension [mm]	ϕ 29.5x36.7

Anti Shock & Vibration

HF9HA-1S



Focal length [mm]	9
Iris range (F. no)	F1.4-F16
Angle of view	53.3°x 40.5° (2/3")
Working Distance(※)(mm)	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M27 x 0.5
Mount	C-mount
Weight (approx.) [g]	50
Sensor size (max.)	2/3"
TV distortion [%]	-2.00
Dimension [mm]	ϕ 29.5x35

Anti Shock & Vibration

HF12.5HA-1S



Focal length [mm]	12.5
Iris range (F. no)	F1.4-F16
Angle of view	39.2°x 29.4° (2/3")
Working Distance(※)(mm)	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 x 0.5
Mount	C-mount
Weight (approx.) [g]	40
Sensor size (max.)	2/3"
TV distortion [%]	-1.95
Dimension [mm]	Φ29.5×29.5

Anti Shock & Vibration

HF16HA-1S



Focal length [mm]	16
Iris range (F. no)	F1.4-F16
Angle of view	30.5°x 22.9° (2/3")
Working Distance(※)(mm)	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 x 0.5
Mount	C-mount
Weight (approx.) [g]	40
Sensor size (max.)	2/3"
TV distortion [%]	-0.87
Dimension [mm]	Φ29.5×29.5

Anti Shock & Vibration

HF25HA-1S



Focal length [mm]	25
Iris range (F. no)	F1.4-F16
Angle of view	19.4°x 14.6° (2/3")
Working Distance(※)(mm)	∞-150
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 x 0.5
Mount	C-mount
Weight (approx.) [g]	40
Sensor size (max.)	2/3"
TV distortion [%]	-0.19
Dimension [mm]	Φ29.5×29.5

Anti Shock & Vibration

HF35HA-1S



Focal length [mm]	35
Iris range (F. no)	F1.6-F22
Angle of view	14.3°x 10.8° (2/3")
Working Distance(※)(mm)	∞-250
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 x 0.5
Mount	C-mount
Weight (approx.) [g]	40
Sensor size (max.)	2/3"
TV distortion [%]	0.10
Dimension [mm]	Φ29.5×29.5

Anti Shock & Vibration

HF50HA-1S



Focal length [mm]	50
Iris range (F. no)	F2.3-F22
Angle of view	10.1°x 7.6° (2/3")
Working Distance(※)(mm)	∞-500
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 x 0.5
Mount	C-mount
Weight (approx.) [g]	45
Sensor size (max.)	2/3"
TV distortion [%]	0.06
Dimension [mm]	Φ29.5×29.5

Anti Shock & Vibration

HF75HA-1S



Focal length [mm]	75
Iris range (F. no)	F2.8-F22
Angle of view	6.7°x 5.0° (2/3")
Working Distance(※)(mm)	∞-1,100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M30.5 x 0.5
Mount	C-mount
Weight (approx.) [g]	50
Sensor size (max.)	2/3"
TV distortion [%]	0.36
Dimension [mm]	Φ31.5×48

* From front of lens barrel

