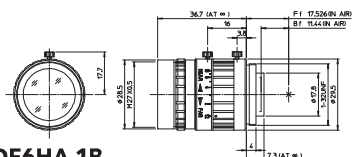


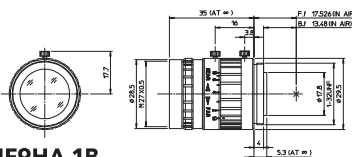


## HF-HA series 1.5 Megapixel, 2/3"



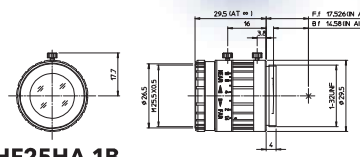
**DF6HA-1B**

Focal length [mm]	6
Iris range (F. no)	F1.2-F16
Angle of view	57.3°×43.8°(1/2°)
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M27 × 0.5
Mount	C-mount
Weight (approx.) [g]	55
Sensor size (max.)	1/2"
TV distortion [%]	-1.84
Dimension [mm]	φ29.5×36.8



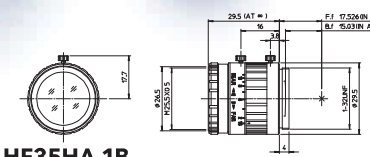
**HF9HA-1B**

Focal length [mm]	9
Iris range (F. no)	F1.4-F16
Angle of view	53.3°×40.5°(2/3°)
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M27 × 0.5
Mount	C-mount
Weight (approx.) [g]	55
Sensor size (max.)	2/3"
TV distortion [%]	-2.00
Dimension [mm]	φ29.5×35



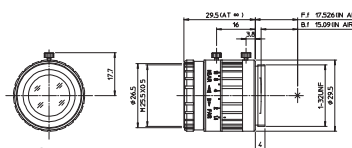
**HF25HA-1B**

Focal length [mm]	25
Iris range (F. no)	F1.4-F16
Angle of view	19.4°×14.6°(2/3°)
Working Distance* [mm]	∞-150
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 × 0.5
Mount	C-mount
Weight (approx.) [g]	45
Sensor size (max.)	2/3"
TV distortion [%]	-0.19
Dimension [mm]	φ29.5×29.5



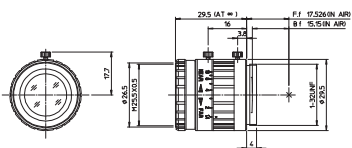
**HF35HA-1B**

Focal length [mm]	35
Iris range (F. no)	F1.6-F22
Angle of view	14.3°×10.8°(2/3°)
Working Distance* [mm]	∞-250
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 × 0.5
Mount	C-mount
Weight (approx.) [g]	45
Sensor size (max.)	2/3"
TV distortion [%]	0.10
Dimension [mm]	φ29.5×29.5



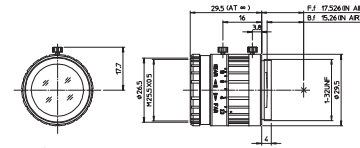
**HF12.5HA-1B**

Focal length [mm]	12.5
Iris range (F. no)	F1.4-F16
Angle of view	39.2°×29.4°(2/3°)
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 × 0.5
Mount	C-mount
Weight (approx.) [g]	45
Sensor size (max.)	2/3"
TV distortion [%]	-1.95
Dimension [mm]	φ29.5×29.5



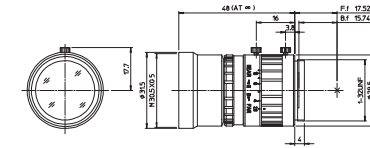
**HF16HA-1B**

Focal length [mm]	16
Iris range (F. no)	F1.4-F16
Angle of view	30.5°×22.9°(2/3°)
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 × 0.5
Mount	C-mount
Weight (approx.) [g]	45
Sensor size (max.)	2/3"
TV distortion [%]	-0.87
Dimension [mm]	φ29.5×29.5



**HF50HA-1B**

Focal length [mm]	50
Iris range (F. no)	F2.3-F22
Angle of view	10.1°×7.6°(2/3°)
Working Distance* [mm]	∞-500
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M25.5 × 0.5
Mount	C-mount
Weight (approx.) [g]	45
Sensor size (max.)	2/3"
TV distortion [%]	0.06
Dimension [mm]	φ29.5×29.5



**HF75HA-1B**

Focal length [mm]	75
Iris range (F. no)	F2.8-F22
Angle of view	6.7°×5.0°(2/3°)
Working Distance* [mm]	∞-1,100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M30.5 × 0.5
Mount	C-mount
Weight (approx.) [g]	55
Sensor size (max.)	2/3"
TV distortion [%]	0.36
Dimension [mm]	φ29.5×48

\* From front of lens barrel