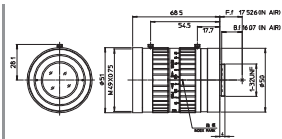


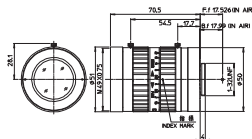


## HF-SA series 5 Megapixel, 2/3"



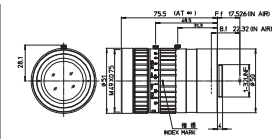
**HF12.5SA-1**

Focal length [mm]	12.5
Iris range (F. no)	F1.4-F22
Angle of view	38.0°x 29.0°(2/3")
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	295
Sensor size (max.)	2/3"
TV distortion [%]	-0.08
Dimension [mm]	φ51x68.5



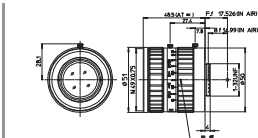
**HF16SA-1**

Focal length [mm]	16
Iris range (F. no)	F1.4-F22
Angle of view	30.2°x 22.9°(2/3")
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	285
Sensor size (max.)	2/3"
TV distortion [%]	0.11
Dimension [mm]	φ51x70.5



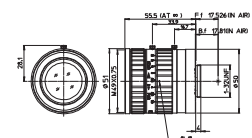
**HF25SA-1**

Focal length [mm]	25
Iris range (F. no)	F1.4-F22
Angle of view	20.8°x 15.7°(2/3")
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	315
Sensor size (max.)	2/3"
TV distortion [%]	-0.06
Dimension [mm]	φ51x75.5



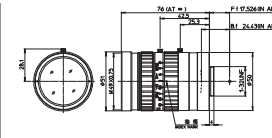
**HF35SA-1**

Focal length [mm]	35
Iris range (F. no)	F1.4-F22
Angle of view	14.0°x 10.5°(2/3")
Working Distance* [mm]	∞-200
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	185
Sensor size (max.)	2/3"
TV distortion [%]	0.07
Dimension [mm]	φ51x48.5



**HF50SA-1**

Focal length [mm]	50
Iris range (F. no)	F1.8-F22
Angle of view	9.7°x 7.3°(2/3")
Working Distance* [mm]	∞-400
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	240
Sensor size (max.)	2/3"
TV distortion [%]	0.08
Dimension [mm]	φ51x55.5



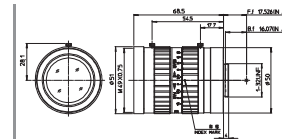
**HF75SA-1**

Focal length [mm]	75
Iris range (F. no)	F1.8-F22
Angle of view	6.7°x 5.0°(2/3")
Working Distance* [mm]	∞-900
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	305
Sensor size (max.)	2/3"
TV distortion [%]	0.01
Dimension [mm]	φ51x76

\* From front of lens barrel

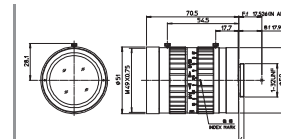


## CF-HA series 1.5 Megapixel, 1"



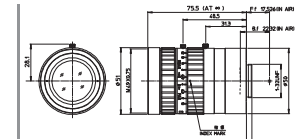
**CF12.5HA-1**

Focal length [mm]	12.5
Iris range (F. no)	F1.4-F22
Angle of view	53.1°x 41.2°(1")
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	280
Sensor size (max.)	1"
TV distortion [%]	0.86
Dimension [mm]	φ51x68.5



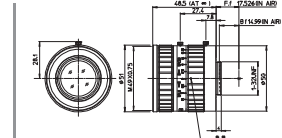
**CF16HA-1**

Focal length [mm]	16
Iris range (F. no)	F1.4-F22
Angle of view	42.6°x 32.8°(1")
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	290
Sensor size (max.)	1"
TV distortion [%]	0.79
Dimension [mm]	φ51x70.5



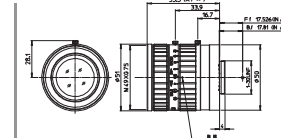
**CF25HA-1**

Focal length [mm]	25
Iris range (F. no)	F1.4-F22
Angle of view	29.9°x 22.7°(1")
Working Distance* [mm]	∞-100
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	310
Sensor size (max.)	1"
TV distortion [%]	0.36
Dimension [mm]	φ51x75.5



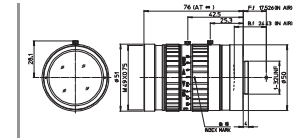
**CF35HA-1**

Focal length [mm]	35
Iris range (F. no)	F1.4-F22
Angle of view	20.3°x 15.3°(1")
Working Distance* [mm]	∞-200
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	180
Sensor size (max.)	1"
TV distortion [%]	0.18
Dimension [mm]	φ51x48.5



**CF50HA-1**

Focal length [mm]	50
Iris range (F. no)	F1.8-F22
Angle of view	14.1°x 10.6°(1")
Working Distance* [mm]	∞-400
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	235
Sensor size (max.)	1"
TV distortion [%]	0.20
Dimension [mm]	φ51x55.5



**CF75HA-1**

Focal length [mm]	75
Iris range (F. no)	F1.8-F22
Angle of view	9.8°x 7.3°(1")
Working Distance* [mm]	∞-900
Operation of focus	Manual
Operation of iris	Manual
Filter thread [mm]	M49 x 0.75
Mount	C-mount
Weight (approx.) [g]	300
Sensor size (max.)	1"
TV distortion [%]	0.01
Dimension [mm]	φ51x76

\* From front of lens barrel