



For FA/Machine Vision
Fixed Focal

HF50SA-1

Applicable camera (model)

1	2/3	1/2	1/3	1/4
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FIXED
Fixed Focal

5 Mega
For Megapixel
Camera

MANUAL
Manual Iris

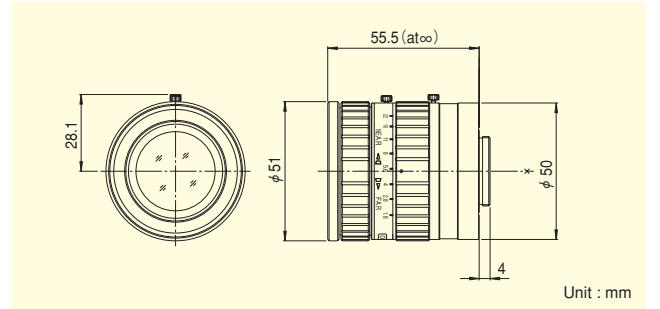
C-mt
C Mount

METAL
Metal Mount

NEW



- High-resolution design, providing support for up to 5 megapixel camera resolution.
- Wide-aperture (F1.8) design achieves clear images under low light intensity, despite the long focal distance.
- Enhanced image recognition accuracy achieved by reduction of distortion and improvement of illumination uniformity.
- Robust enclosure resistant to vibrations and shocks. Equipped with locking knobs for the iris and the focus.



Unit : mm

Focal Length (mm)		50
Iris Range		F1.8 ~ F22
Operation	Focus	Manual
	Iris	Manual
Angle Of View (H×V)	2/3"	10°03' × 7°33'
	1/2"	7°19' × 5°30'
	1/3"	5°30' × 4°07'
Focusing Range (From Front Of The Lens) (m)		∞ ~ 0.4 *1
Object Dimensions at M.O.D. (H×V) (mm)	2/3"	70 × 52
	1/2"	51 × 38
	1/3"	38 × 28
Back Focal Distance (in air) (mm)		17.81
Exit Pupil Position (From Image Plane) (mm)		-49
Filter Thread (mm)		M49 × 0.75
Mount		C
Mass (g)		240

Remarks

- With Metal Mount
- With Locking Knob for Iris and Focus

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



For FA/Machine Vision
Fixed Focal

HF75SA-1

Applicable camera (model)

1	2/3	1/2	1/3	1/4
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FIXED
Fixed Focal

5 Mega
For Megapixel
Camera

MANUAL
Manual Iris

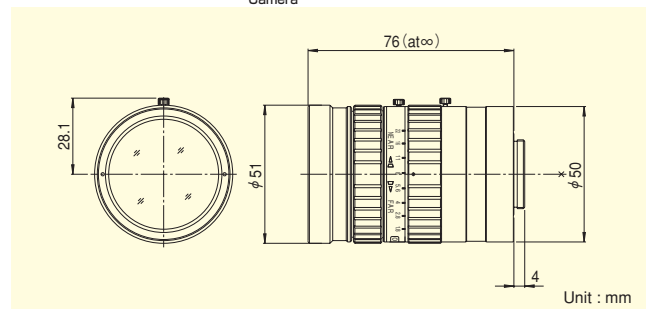
C-mt
C Mount

METAL
Metal Mount

NEW



- High-resolution design, providing support for up to 5 megapixel camera resolution.
- Wide-aperture (F1.8) design achieves clear images under low light intensity, despite the long focal distance.
- Enhanced image recognition accuracy achieved by reduction of distortion and improvement of illumination uniformity.
- Robust enclosure resistant to vibrations and shocks. Equipped with locking knobs for the iris and the focus.



Unit : mm

Focal Length (mm)		75
Iris Range		F1.8 ~ F22
Operation	Focus	Manual
	Iris	Manual
Angle Of View (H×V)	2/3"	6°43' × 5°02'
	1/2"	4°53' × 3°40'
	1/3"	3°40' × 2°45'
Focusing Range (From Front Of The Lens) (m)		∞ ~ 0.9 *2
Object Dimensions at M.O.D. (H×V) (mm)	2/3"	101 × 76
	1/2"	74 × 55
	1/3"	55 × 41
Back Focal Distance (in air) (mm)		24.43
Exit Pupil Position (From Image Plane) (mm)		-52
Filter Thread (mm)		M49 × 0.75
Mount		C
Mass (g)		300

Remarks

- With Metal Mount
- With Locking Knob for Iris and Focus

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

FIXED FOCAL LENGTH LENSES



For FA/Machine Vision
Fixed Focal

HF12.5SA-1

Applicable camera (model)

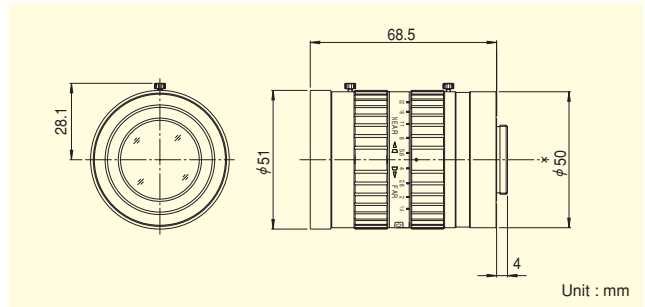
1	2/3	1/2	1/3	1/4
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- FIXED**
Fixed Focal
- 5 Mega**
For Megapixel Camera
- MANUAL**
Manual Iris
- C-mt**
C Mount
- METAL**
Metal Mount
- F1.4**
Wide Aperture Rate

NEW



- High-resolution design, providing support for up to 5 megapixel camera resolution.
- Rear focusing system provides improved performance in macro photography.
- Wide-aperture (F1.4) design achieves clear images under low light intensity.
- Enhanced image recognition accuracy achieved by reduction of distortion and improvement of illumination uniformity.
- Robust enclosure resistant to vibrations and shocks. Equipped with locking knobs for the iris and the focus.



Unit : mm

Focal Length (mm)		12.5
Iris Range		F1.4 ~ F22
Operation	Focus	Manual
	Iris	Manual
Angle Of View (H×V)	2/3"	38°47' × 29°35'
	1/2"	28°43' × 21°44'
	1/3"	21°44' × 16°23'
Focusing Range (From Front Of The Lens) (m)		∞ ~ 0.1
Object Dimensions at M.O.D. (H×V) (mm)	2/3"	83 × 62
	1/2"	60 × 45
	1/3"	45 × 34
Back Focal Distance (in air) (mm)		16.07
Exit Pupil Position (From Image Plane) (mm)		-101
Filter Thread (mm)		M49 × 0.75
Mount		C
Mass (g)		295

Remarks

- With Metal Mount
- With Locking Knob for Iris and Focus

FIXED FOCAL LENGTH LENSES



For FA/Machine Vision
Fixed Focal

HF16SA-1

Applicable camera (model)

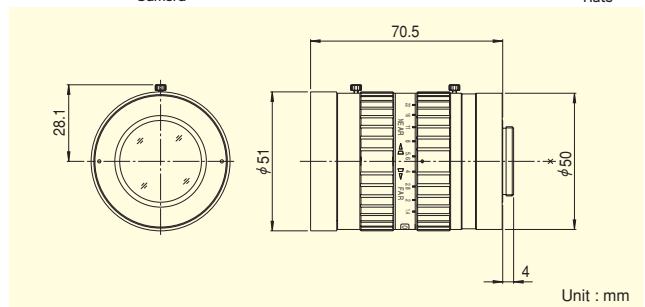
1	2/3	1/2	1/3	1/4
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- FIXED**
Fixed Focal
- 5 Mega**
For Megapixel Camera
- MANUAL**
Manual Iris
- C-mt**
C Mount
- METAL**
Metal Mount
- F1.4**
Wide Aperture Rate

NEW



- High-resolution design, providing support for up to 5 megapixel camera resolution.
- Rear focusing system provides improved performance in macro photography.
- Wide-aperture (F1.4) design achieves clear images under low light intensity.
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Unit : mm

Focal Length (mm)		16
Iris Range		F1.4 ~ F22
Operation	Focus	Manual
	Iris	Manual
Angle Of View (H×V)	2/3"	30°45' × 23°18'
	1/2"	22°37' × 17°04'
	1/3"	17°04' × 12°50'
Focusing Range (From Front Of The Lens) (m)		∞ ~ 0.1
Object Dimensions at M.O.D. (H×V) (mm)	2/3"	69 × 51
	1/2"	50 × 37
	1/3"	37 × 28
Back Focal Distance (in air) (mm)		17.99
Exit Pupil Position (From Image Plane) (mm)		-172
Filter Thread (mm)		M49 × 0.75
Mount		C
Mass (g)		285

Remarks

- With Metal Mount
- With Locking Knob for Iris and Focus



**For FA/Machine Vision
Fixed Focal**

HF25SA-1

Applicable camera (model)

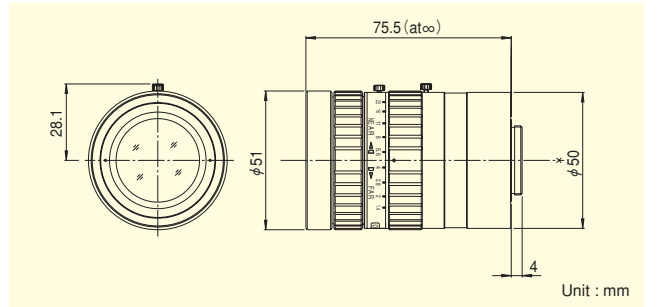
1	2/3	1/2	1/3	1/4
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- FIXED
Fixed Focal
- 5 Mega
For Megapixel Camera
- MANUAL
Manual Iris
- C-mt
C Mount
- METAL
Metal Mount
- F1.4
Wide Aperture Rate

NEW



- High-resolution design, providing support for up to 5 megapixel camera resolution.
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Unit : mm

Focal Length (mm)		25
Iris Range		F1.4 ~ F22
Operation	Focus	Manual
	Iris	Manual
Angle Of View (H×V)	2/3"	19°58' × 15°02'
	1/2"	14°35' × 10°58'
	1/3"	10°58' × 8°14'
Focusing Range (From Front Of The Lens) (m)		∞ ~ 0.1
Object Dimensions at M.O.D. (H×V) (mm)	2/3"	44 × 33
	1/2"	32 × 24
	1/3"	24 × 18
Back Focal Distance (in air) (mm)		22.32
Exit Pupil Position (From Image Plane) (mm)		-140
Filter Thread (mm)		M49 × 0.75
Mount		C
Mass (g)		315

Remarks

- With Metal Mount
- With Locking Knob for Iris and Focus



**For FA/Machine Vision
Fixed Focal**

HF35SA-1

Applicable camera (model)

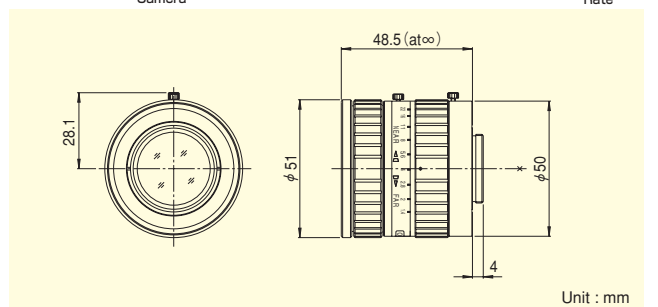
1	2/3	1/2	1/3	1/4
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Unit : mm

Focal Length (mm)		35
Iris Range		F1.4 ~ F22
Operation	Focus	Manual
	Iris	Manual
Angle Of View (H×V)	2/3"	14°20' × 10°46'
	1/2"	10°27' × 7°51'
	1/3"	7°51' × 5°53'
Focusing Range (From Front Of The Lens) (m)		∞ ~ 0.2
Object Dimensions at M.O.D. (H×V) (mm)	2/3"	50 × 38
	1/2"	37 × 27
	1/3"	27 × 21
Back Focal Distance (in air) (mm)		14.99
Exit Pupil Position (From Image Plane) (mm)		-37
Filter Thread (mm)		M49 × 0.75
Mount		C
Mass (g)		185

Remarks

- With Metal Mount
- With Locking Knob for Iris and Focus