



## For FA/Machine Vision Fixed Focal

# HF50SA-1

Applicable camera (model)

1 2/3 1/2 1/3 1/4

**FIXED**  
Fixed Focal

**5 Mega**  
For Megapixel  
Camera

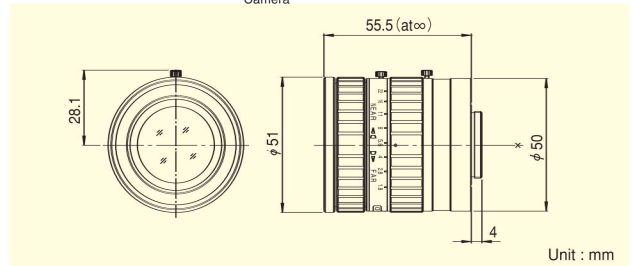
**MANUAL**  
Manual Iris

**C-mt**  
C Mount

**METAL**  
Metal Mount



- 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.



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 the M.O.D. will increase to 0.3m.



## For FA/Machine Vision Fixed Focal

# HF75SA-1

Applicable camera (model)

1 2/3 1/2 1/3 1/4

**FIXED**  
Fixed Focal

**5 Mega**  
For Megapixel  
Camera

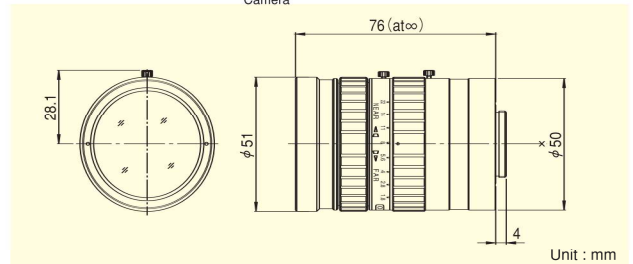
**MANUAL**  
Manual Iris

**C-mt**  
C Mount

**METAL**  
Metal Mount



- 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.



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)		305

### Remarks

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

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