



**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

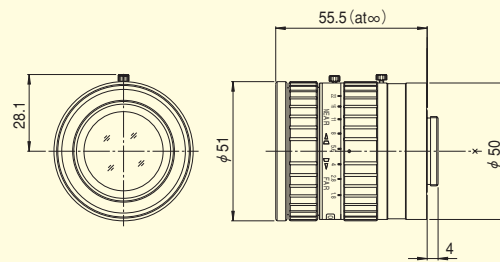
**C-mt**  
C Mount

**METAL**  
Metal Mount

**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.

FIXED FOCAL LENGTH LENSES



**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

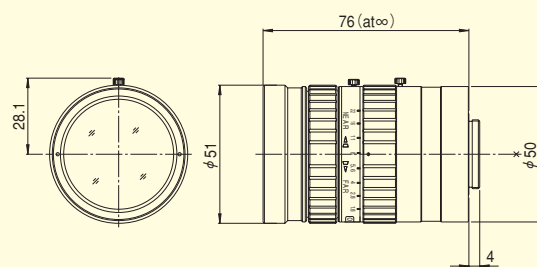
**C-mt**  
C Mount

**METAL**  
Metal Mount

**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.



**Pyramid Imaging**

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