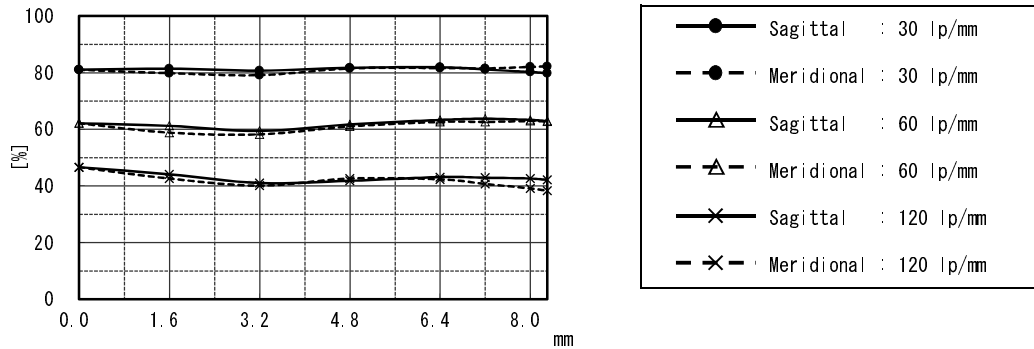
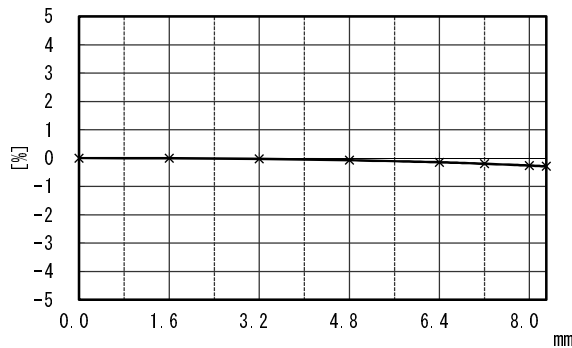


● Modulation Transfer Function (MTF)

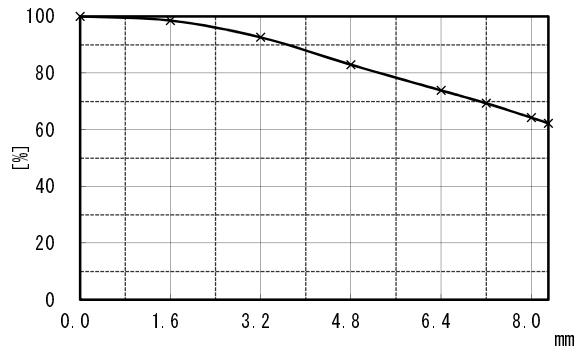
W. D. = 300mm



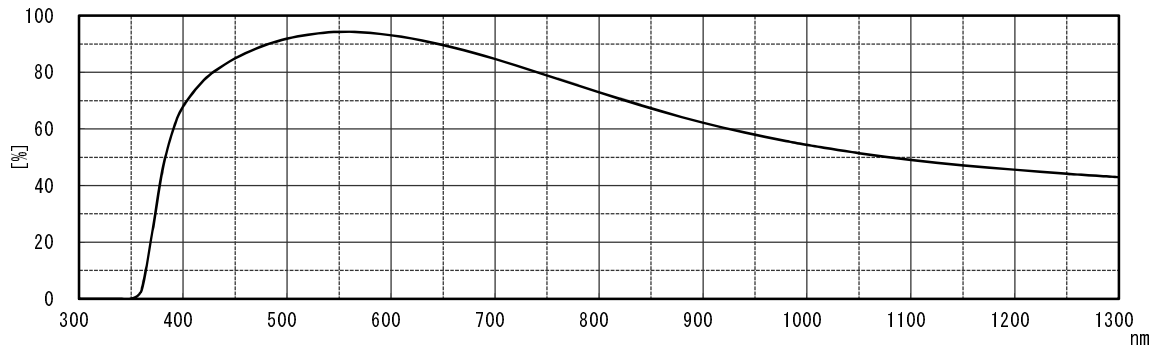
● Distortion (歪曲収差)



● Vignetting (周辺光量)



● Spectral Transmittance (分光透過率)



- Entrance Pupil Position (入射瞳位置) -44.16 [mm]*
- Exit Pupil Position (射出瞳位置) -58.44 [mm]*
- 1st Principal Point (第一主点) -36.93 [mm]*
- 2nd Principal Point (第二主点) -49.99 [mm]*

(*:From Image Plane, W. D.=∞)

SPEC. INFO	FL-BC5024-9M	K65684-S001-B13
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1. Model FL-BC5024-9M
2. Application For 1 Format Camera

3. Specification

3-1. Physical (As per the attached drawing)

- (1) Dimensions $\phi 42.0 \text{ mm} \times 69.0 \text{ mm}$
- (2) Weight 166 g
- (3) Mount C-Mount (1 – 32 UN – 2A)
- (4) Filter Screw Size M40.5 mm , P = 0.5 mm

3-2. Optical

- (1) Focal Length 50 mm $\pm 5\%$
- (2) Max. Aperture Ratio 1: 2.4
- (3) Iris Range F / 2.4 to F / 22
- (4) Angle of View
 Diagonal 18.2°
 Horizontal 14.6°
 Vertical 11.0°
- (5) Picture format 12.8 mm \times 9.6 mm
- (6) Focusing Range Inf. to 0.2 m
- (7) Back Focal Length 18.8 mm (in air)
- (8) Flange Back Length 17.526 mm \pm 0.05 mm (in air)

3-3. Mechanical

- (1) Focusing Mechanism Straight Helicoid
 Rotation Angle 234°
 Rotation Torque 0.2N·cm to 7.0 N·cm
 Focus Ring can be fixed at any positions by 3 fixing screws (A) or 1 thumb screw (refer to external view)
- (2) Iris Mechanism Non-click, Close-down
 Rotation Angle 84°
 Rotation Torque 0.01N·cm to 3.0 N·cm
 Iris Ring can be fixed at any positions by 3 fixing screws (B) or 1 thumb screw (refer to external view)

3-4. Vibration & Shock Test Standard

(1) Vibration Conditions

Wave	Sine Wave
Acceleration	1.96 m/s ² to 59.78 m/s ²
Cycle Range	10 Hz to 55 Hz
Cycle Period	3 Minutes
Duration of Vibration	120 Minutes Respectively in Three Dimensional Directions

(2) Shock Conditions

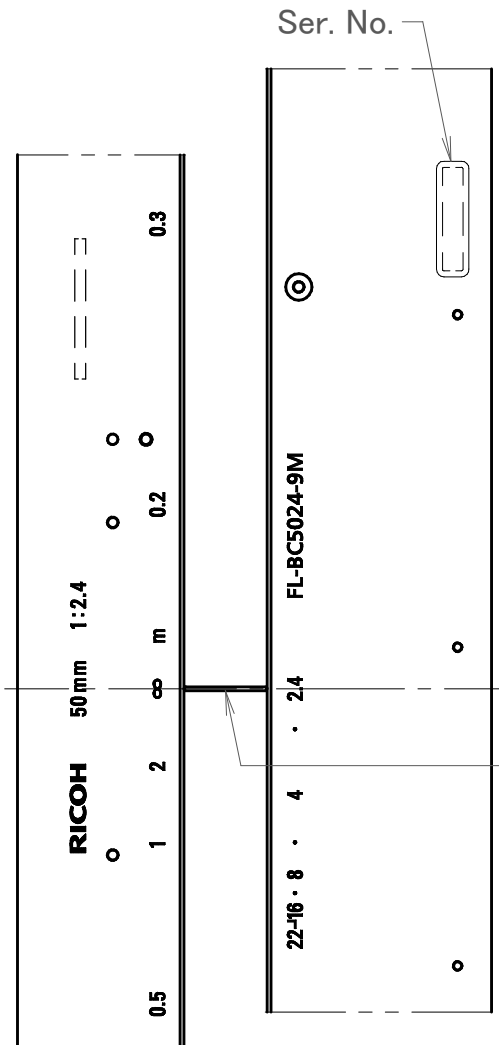
Tester	Shock Testing Machine by Dropping
Impact Force	588 m/s ²
Duration of Shock	3.5 ms
Directions & Number of Times	1 Time Respectively in Three Dimensional Directions

SPEC. INFO	FL-BC5024-9M	K65684-S001-B23
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3-5. Environmental Temperature Range -10°C to $+50^{\circ}\text{C}$

4. Accessories

- | | | |
|-----------------------------------|----------|----------------------|
| (1) Front Lens Cap | 1 piece | |
| (2) Rear Lens Cap | 1 piece | |
| (3) Fixing Screw ① for Focus Ring | 3 pieces | |
| (4) Fixing Screw ② for Iris Ring | 3 pieces | |
| (5) Thumbscrew for Focus Ring | 1 pieces | (for Optional Usage) |
| (6) Thumbscrew for Iris Ring | 1 pieces | (for Optional Usage) |
| (7) Packing Box | 1 piece | |

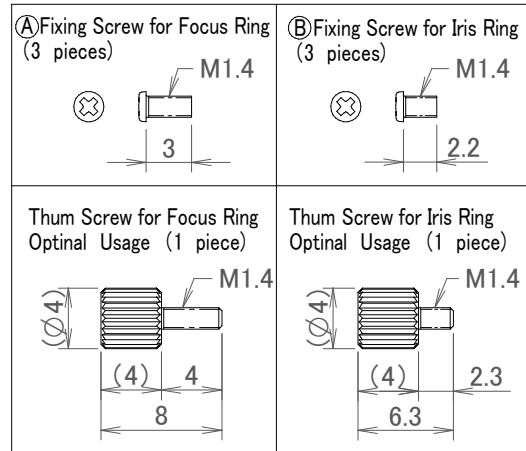
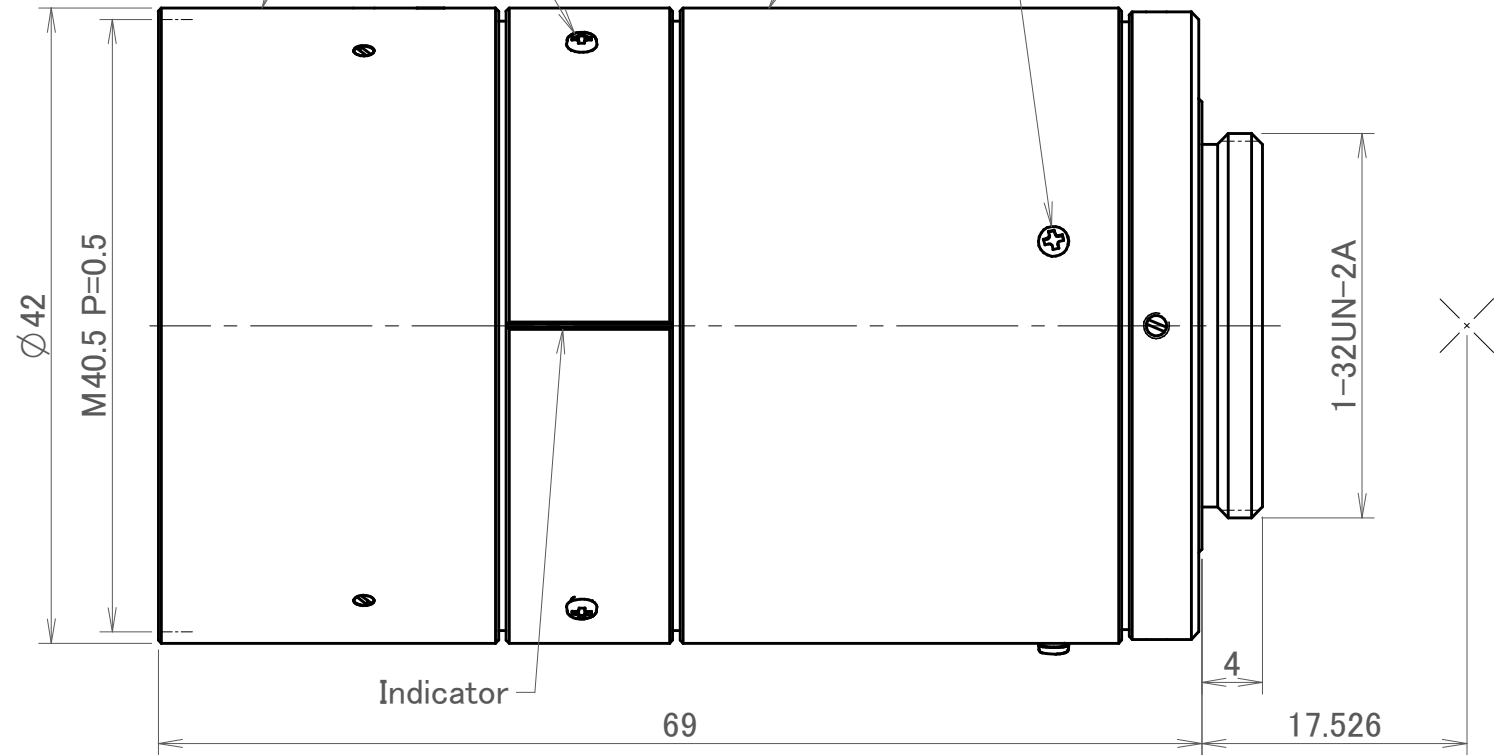


Ⓐ Fixing Screw for Focus Ring
3 positions

Focus Ring

Iris Ring

Ⓑ Fixing Screw for Iris Ring
3 positions



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Natascha Overhof



Christian Cromptvoets



VISION CONSULTANCY

Robert Schumandomein 2
6229 ES Maastricht
The Netherlands

+31 (0) 438 522 651

sales@vision-consultancy.nl
www.machine-vision-shop.com

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