

1. Model

FL-CC1218-5MX


Vision Light Tech
 creating optical solutions

2. Application

For 2/3 Format Camera

3. Specification

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

- | | |
|-----------------------|---|
| (1) Dimensions | $\phi 33.0 \text{ mm} \times 47 \text{ mm}$ |
| (2) Weight | 85 g |
| (3) Mount | C-Mount (1 – 32 UN – 2A) |
| (4) Filter Screw Size | M30.5 mm , P = 0.5 mm |

3-2. Optical

- | | |
|-------------------------|--|
| (1) Focal Length | 12 mm $\pm 5\%$ |
| (2) Max. Aperture Ratio | 1: 1.8 |
| (3) Iris Range | F / 1.8 to F /16 |
| (4) Angle of View | Diagonal 49.4°
Horizontal 40.5°
Vertical 30.9° |
| (5) Picture format | 8.8 mm \times 6.6 mm |
| (6) Focusing Range | Inf. to 0.1 m |
| (7) Back Focal Length | 13.2 mm (in air) |
| (8) Flange Back Length | 17.526 mm \pm 0.05 mm (in air) |

3-3. Mechanical

(1) Focusing Mechanism

Rotation Angle 62°
 Rotation Torque 1.0N·cm to 9.0 N·cm
 Focus Ring can be fixed at any positions by
 3 fixing screws or 1 thumb screw (refer to external view)

(2) Iris Mechanism

Non-click
 Rotation Angle 83°
 Rotation Torque 0.01N·cm to 3.0 N·cm
 Iris Ring can be fixed at any positions by 3 fixing screws
 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—CC1218—5MX	
		Oct. 12. 2018

3-5. Environmental Temperature Range -10°C to $+50^{\circ}\text{C}$

4. Accessories

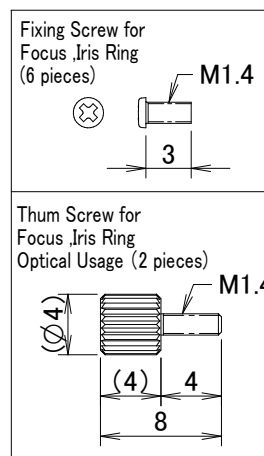
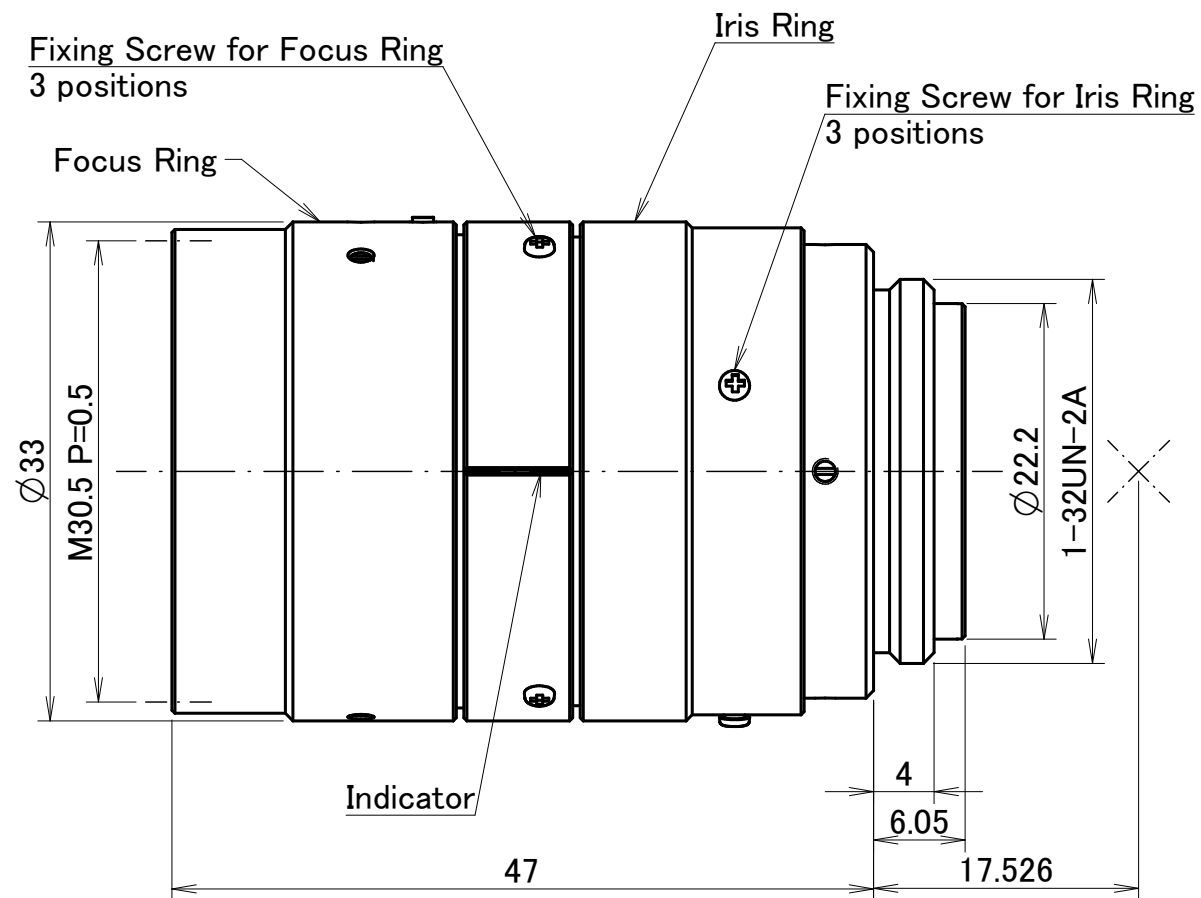
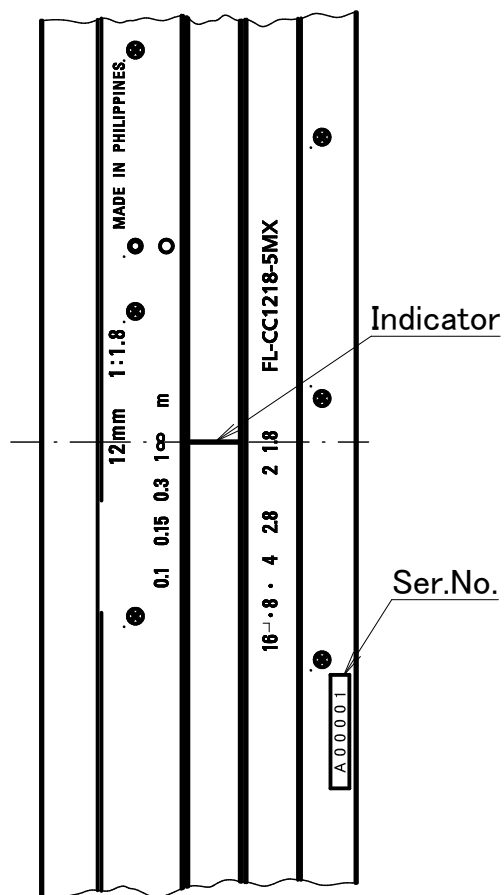
(1) Front Lens Cap	1 piece	
(2) Rear Lens Cap	1 piece	
(3) Fixing Screw for Focus ,Iris Ring	6 pieces	
(4) Thumbscrew for Focus ,Iris Ring	2 pieces	(for Optional Usage)
(5) Packing Box	1 pieces	

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