SPEC. INFO
 C7528-M
 KP SPEC.
 37500-S001-00KP-B13

 JUL 1. '04
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1. Model C7528-M

2. Application For Machine Vision 2/3 Format CCD Camera

3. Specification

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

(1) Dimensions  $\phi$  34 mm  $\times$  59.6 mm

(2) Weight 125 g

(3) Mount C -Mount (1-32 UN-2A)(4) Filter Screw Size  $\phi$  30.5 mm , P=0.5 mm

3-2. Optical

(1) Focal Length 75 mm  $\pm 5\%$ 

(2) Max. Aperture Ratio 1: 2.8

(3) Iris Range F / 2.8 to F / 32

(4) Angle of View Diagonal  $8.60^{\circ}$ 

Horizontal  $6.90^{\circ}$  Vertical  $5.18^{\circ}$ 

(5) Picture format  $8.8 \text{ mm} \times 6.6 \text{ mm}$ 

(6) Focusing Range(7) Back Focal LengthInf. To 0.7m30.94 mm

(8) Flange Back Length  $17.526 \text{ mm} \pm 0.05 \text{ mm}$ 

3-3. Mechanical

(1) Focusing Mechanism Straight Helicoid

Rotation Angle 280°

Rotation Torque 0.2 N·cm to 7 N·cm Focus Ring can be fixed at any positions by 3 fixing screws (Refer to external view)

(2) Iris Mechanism Non-click

Rotation Angle 83°

Rotation Torque 0.5 N·cm to 7 N·cm Iris Ring can be fixed at any positions by 3 fixing screws (B) (Refer to external view)

## 3-4. Vibration & Shock Test Standard

## (1) Vibration Conditions

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

## (2) Shock Conditions

00110110110	
Tester	Shock Testing Machine by Dropping
Impact Force	588 m/s <sup>2</sup>
Duration of Shock	3.5 ms
Directions & Number of Times	1 Time Respectively in Three Dimensional Directions

3-5. Environmental Temperature Range

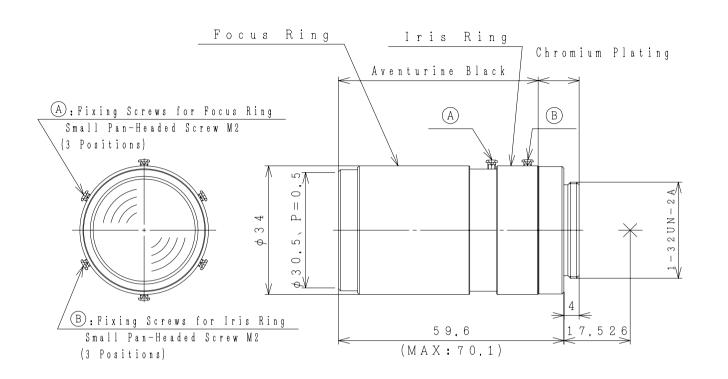
-20°C to +50°C

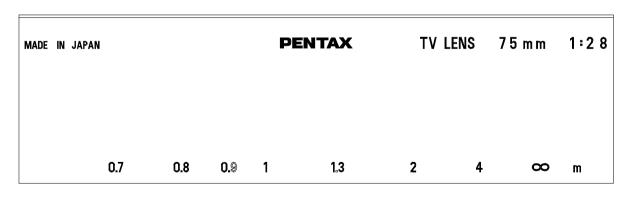
4. Accessories

(1) Front Lens Cap(2) Rear Lens Cap1 piece

(3) Thumbscrew M2 for Focus Ring
 (4) Thumbscrew M2 for Iris Ring
 1 piece (For Optional Usage)
 1 piece (For Optional Usage)

(5) Packing Box 1 piece





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UNIT:mm

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PENTAX Corporation Security System Division