1. Model

TS 10 V 5 1 8 A E D

2. Application

For 1/3 Format CCTV Camera

3. Specification

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

(1) Dimensions

44.5(W) mm × 50.8(H) mm × 61.5(D) mm

(2) Weight

135 g

(3) Mount

CS-Mount, Position Adjustable

3-2. Optical

(1) Focal Length

5.0 mm to 50 mm ± 10%

(2) Max. Aperture Ratio

1 : 1.8

(3) Iris Range

F/1.8 to F/360

(In the spectral range of 400nm to 700nm)

(4) Illumination Ratio

1 : 40,000

(5) Angle of View

<table>
<thead>
<tr>
<th></th>
<th>WIDE</th>
<th>TELE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagonal</td>
<td>63.0°</td>
<td>6.9°</td>
</tr>
<tr>
<td>Horizontal</td>
<td>50.0°</td>
<td>5.5°</td>
</tr>
<tr>
<td>Vertical</td>
<td>37.8°</td>
<td>4.1°</td>
</tr>
</tbody>
</table>

(6) Picture format

4.8 mm × 3.6 mm

(7) Focusing Range

Inf. to 0.6 m

(8) Back Focal Length

7.6 mm to 11.0 mm

(9) Flange Back Length

12.5 mm

(Focal Point Beyond Image Plain: +0.05mm or more)

3-3. Mechanical

(1) Focusing Mechanism

Rotation Angle 60.0°

Rotation Torque 0.5 N·cm to 3.4 N·cm

(2) Zooming Mechanism

Rotation Angle 60.0°

Rotation Torque 0.5 N·cm to 3.4 N·cm

3-4. Electrical

(1) Auto Iris

<table>
<thead>
<tr>
<th>Driving Coil</th>
<th>Resistance</th>
<th>190 [Ω] (20°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Color and Direction</td>
<td>White, Green (White ○ Open)</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Damping Coil</th>
<th>Resistance</th>
<th>700 [Ω] (20°C)</th>
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</thead>
<tbody>
<tr>
<td>Lead Color and Direction</td>
<td>Black, Red (Black ○ Open)</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Driving Voltage</th>
<th>Close to Open</th>
<th>+4 [V] or less</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open to Close</td>
<td>Over 0.5 [V] (by Spring)</td>
<td></td>
</tr>
</tbody>
</table>

| Close Down | Iris closes down when the power is cut off and protects Image Sensor from strong light. |

(2) Connector

4PCP102 made by Nissin-Parts
(3) Connection Diagram

3-5. Environmental Temperature Range  
-10 °C to +50 °C

4. Accessories

(1) Front Lens Cap 1 piece
(2) Rear Lens Cap 1 piece
(3) Fixing Lever for Focus Ring 1 piece
(4) Fixing Lever for Zoom Ring 1 piece
(5) Packing Box 1 piece