

SPEC. INFO	TS10V518AED	70509-S001-00HK-B13
		SEP 21 '05

1. Model TS10V518AED

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

	WIDE	TELE
Diagonal	63.0°	6.9°
Horizontal	50.0°	5.5°
Vertical	37.8°	4.1°

(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

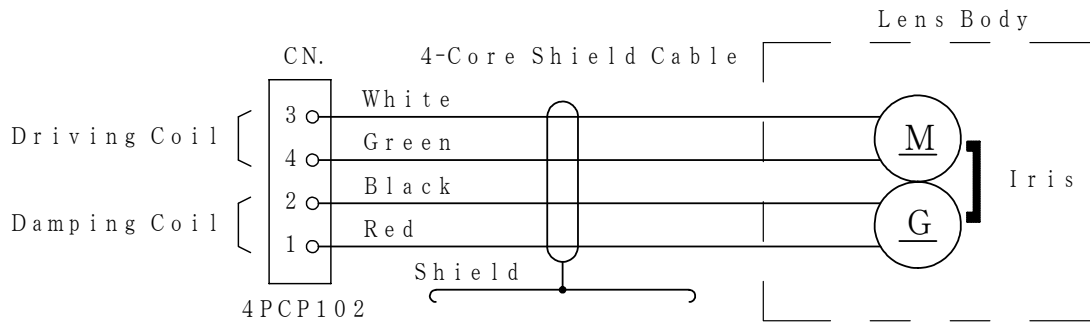
(1) Auto Iris

Driving Coil	Resistance	190 [Ω] (20°C)
	Lead Color and Direction	White, Green (White ⊕ Open)
Damping Coil	Resistance	700 [Ω] (20°C)
	Lead Color and Direction	Black, Red (Black ⊕ Open)
Driving Voltage	Close to Open	+4 [V] or less
	Open to Close	Over 0.5 [V] (by Spring)
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

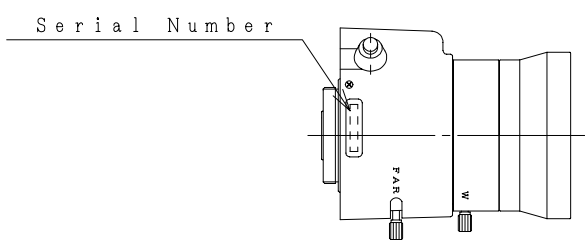
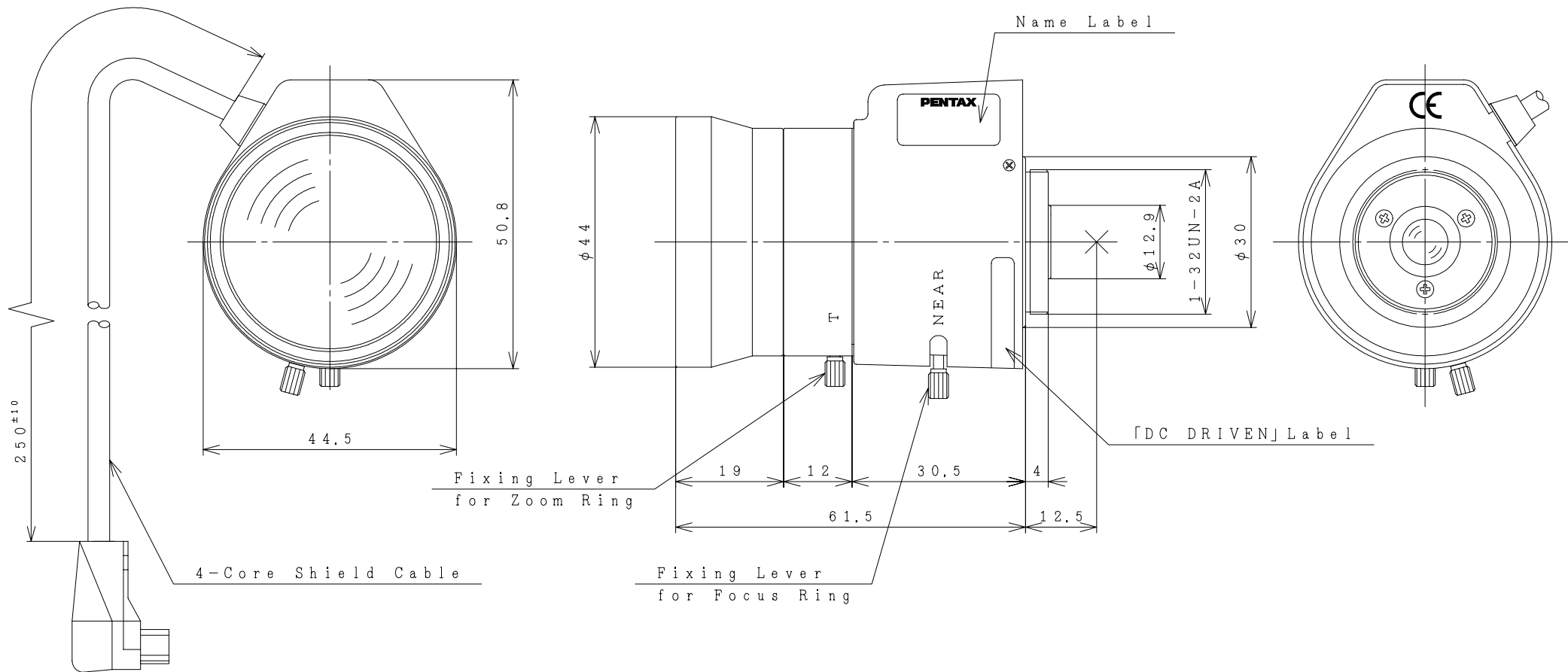
(3) Connection Diagram



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

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 |



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