

For Machine Vision

C 2514 — M

25 mm 1:1.4

(K P S P E C .)

1. Model C 2514-M
2. Application For Machine Vision 2/3 Format Mega-pixel Camera
3. Specification
- 3-1. Physical (As per the attached drawing)
- (1) Dimensions $\phi 29.5 \text{ mm} \times 32 \text{ mm}$
 - (2) Weight 55 g
 - (3) Mount C-Mount (1 – 32 UN – 2A)
 - (4) Filter Screw Size $\phi 27 \text{ mm}$, P = 0.5 mm
- 3-2. Optical
- (1) Focal Length 25 mm $\pm 5\%$
 - (2) Max. Aperture Ratio 1 : 1.4
 - (3) Iris Range F / 1.4 to F / 16
 - (4) Angle of View
 - Diagonal 24.89°
 - Horizontal 20.00°
 - Vertical 15.05°
 - (5) Picture format 8.8 mm \times 6.6 mm
 - (6) Focusing Range Inf. to 0.25m
 - (7) Back Focal Length 11.50 mm
 - (8) Flange Back Length 17.526 mm \pm 0.05 mm
- 3-3. Mechanical
- (1) Focusing Mechanism
 - Straight Helicoid
 - Rotation Angle 148.2°
 - Rotation Torque 0.2 N·cm to 7.0 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 94.3°
 - Rotation Torque 0.5 N·cm to 7.0 N·cm
 - Iris Ring can be fixed at any positions by 3 fixing screws [Ⓑ]
 - (refer to external view)

				Approved	Checked	Drawn	Drawing Title
							SPEC. SEET
No.	Revisions	Date	By				
PENTAX Precision Co.,Ltd.				Data Drawn JUL. 11, '03		Drawing Number 32500-X001-00KP-B13	

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

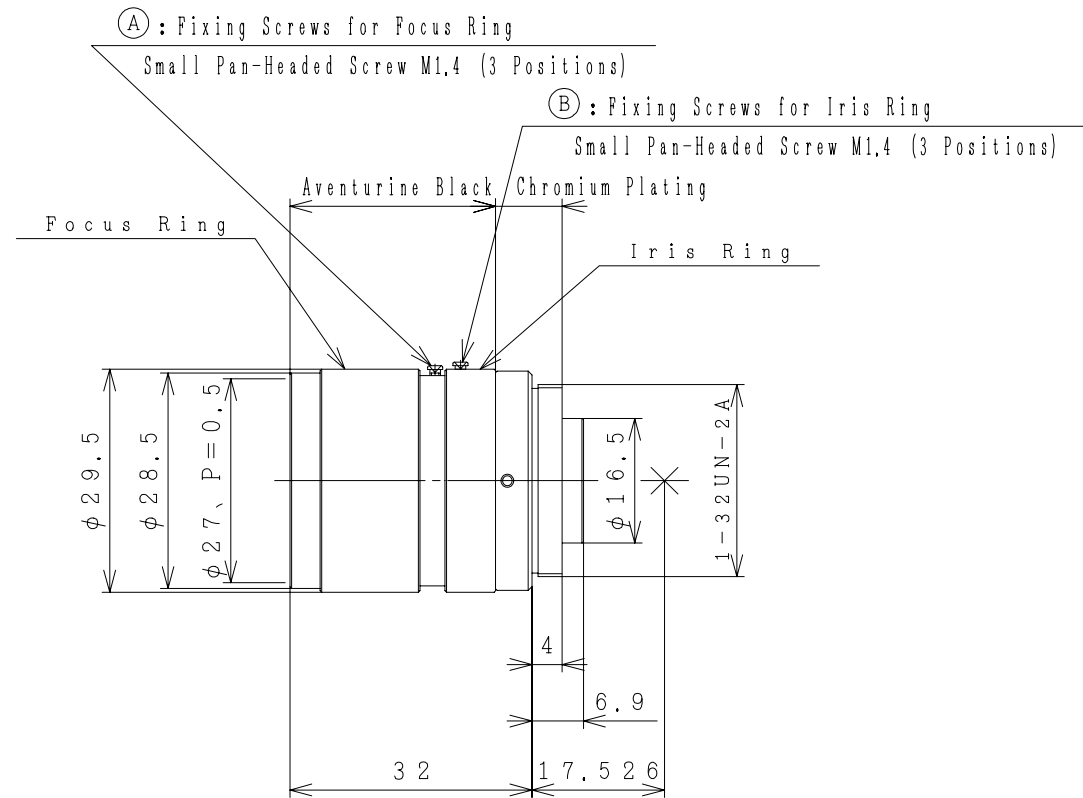
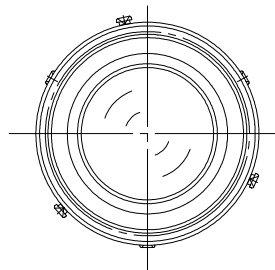
Tester	Shock Testing Machine by Dropping
Impact Force	588 m/s ²
Duration of Shock	3.5 ms
Directions & Number of Times	1 Time Respectively in Three Dimensional Directions

3-5. Environmental Temperature Range -20°C to +50°C

4. Accessories

- | | |
|--|------------------------------|
| (1) Front Lens Cap | 1 piece |
| (2) Rear Lens Cap | 1 piece |
| (3) Fixing Screw for Focus Ring
(Thumbscrew M1.4) | 1 piece (For Optional Usage) |
| (4) Fixing Screw for Iris Ring
(Thumbscrew M1.4) | 1 piece (For Optional Usage) |
| (5) Packing Box | 1 piece |

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COSMICAR / PENTAX							TV LENS	25 mm	1:1.4	MADE IN JAPAN
0.25	0.3	0.5	1	∞	m					

16-J · 8 · 4 · 2 1.4 C2514-M

UNIT : mm

3				尺度	個数	
2				N. T. S.		
1				名称		
訂正記事				年月日	担当	C 2 5 1 4 - M 2 5 mm 1 : 1 . 4 External View
承認	設計	製図	検図	完図		
				JUL. 11. '03	年月日	図面番号
						32500 - X001 - 00KP - B33
PENTAX Precision Co., Ltd.						