

PMSVP7520MP

1.1-inch 75mm F2.8 C-Mount FA Lens

High-resolution fixed focal length lens for industrial imaging and inspection.
Manual focus and iris control with low-distortion imaging.

PRODUCT ADVANTAGES

- Maximum aperture F2.8; adjustable iris range F2.8-F16
- Supports sensor formats up to 1.1-inch
- Low TV distortion for industrial inspection
- Focusing distance from 0.5m to infinity



1.1-inch

Sensor Format

75mm

Focal Length

F2.8

Max Aperture

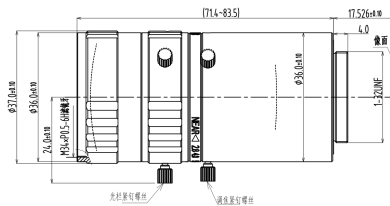
C-Mount

Mount

<0.15%

TV Distortion

Mechanical Structure



Original engineering drawing | Unit: mm

Key Specifications

Item	Specification
Product Model	PMSVP7520MP
Maximum Sensor Format	1.1-inch (14.1 x 10.6mm)
Focal Length	75mm
Maximum Aperture / Iris	F2.8 / F2.8-F16
Mount	C-Mount (1-32UNF)
Focusing Distance	0.5m to infinity
Flange Back / Back Focus	17.526mm / 33.3mm in air
Filter Thread	M34 x P0.5-6H
Effective Aperture Diameter	Front Dia.20.58mm / Rear Dia.15.88mm
Temperature Range	Operating -10 C to +50 C; Storage -20 C to +60 C

Sensor Coverage and Optical Performance

Sensor	Image Size	Angle H	Angle V	Angle D	Object H @500mm	Object V @500mm	Distortion
1.1-inch	14.1 x 10.6mm	10.0 deg	7.5 deg	12.4 deg	81.7mm	61.3mm	<0.15%
1-inch	12.8 x 9.6mm	6.0 deg	4.5 deg	8.5 deg	56.0mm	41.0mm	<0.15%
2/3-inch	8.8 x 6.6mm	4.3 deg	3.2 deg	5.7 deg	40.9mm	30.6mm	<0.10%

