

PFL50-L12M

12MP 1.1" F1.4 50 mm Fixed-focal Lens (Manual Iris)



- 12MP for excellent imaging
- Compatible with almost all image sensors sized no more than 1.1"
- Standard interface, easy installation and strong camera compatibility
- Comply with RoHS

System Overview

Dahua 1.1" 50 mm lenses, with ultra-high pixel and large image sensor size, provide better visual experience. The lenses are highly compatible with C mount and comply with CE and FCC to guarantee the product quality.

Functions

Reliable Performance

Reliable performance at both high and low temperature

Large Image Sensor

1.1" image sensor size

Scene

Applicable to cameras related with traffic issues.

Technical Specification

General

Image Sensor Size	1.1"
Focal Length	50 mm±10%
Pixel	12MP
Max. Aperture	F1.4±10%
IR Correction	No
Chief Ray Angle (CRA)	≤8°
Total Optical Length	89.5 mm±1 mm (in air)
Flange Back Focal Length	17.526 mm
Mechanical Back Focal Length	≥13.5 mm (in air)
Field of View	20.1° × 16.5° × 11.3°±5% @1.1" (14.47 mm × 9.94 mm)

Distortion	-2%
Minimum Object Distance (MOD)	1.5 m
Zoom Control	No
Focus Control	Manual
Iris Control	Manual
Mount Type	C mount
Product Dimensions	Φ48.5 × 80 mm
Color	Black
Casing	Metal
Net Weight	0.318±0.005 kg (0.70±0.01 lb)
Gross Weight	0.37±0.005 kg (0.82±0.01 lb)
Packaging Method	40 pcs in each master carton
Packaging Dimensions	255 mm × 455 mm × 325 mm (10.04" × 17.91" × 12.80") (L × W × H)
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Operating Humidity	95% (RH)
Storage Temperature	-40°C to +70°C (-40°F to 158°F)
Storage Humidity	95% (RH)

Ordering Information

Type	Part Number	Description
HD Lens	DH-PFL50-L12M	Dahua 12MP 1.1" F1.4 50 mm Fixed-focal Lens (Manual Iris)
HD Lens	PFL50-L12M	General 12MP 1.1" F1.4 50 mm Fixed-focal Lens (Manual Iris)

Dimensions (mm[inch])

