

# DH-PFL50-L12M-AIR

12MP 1.1" F1.4 50 mm Fixed-focal Lens



- 1.1" image sensor with high compatibility for ITC cameras.
- IR correction ensures 24-hour real-time monitoring.
- Standard C mount for easy installation and strong compatibility.
- ROHS standard.

## Technical Specification

### Performance

Image Sensor Size	1.1"
Focal Length	50 mm
Lens Pixel	12 MP
Aperture	F1.4 ± 10%
IR Light	Yes
CRA	10.3°
Total Optical Length	84 mm ± 0.5 mm (3.31" ± 0.02") (in air)
Flange Back Focal Length	17.53 mm ± 0.2 mm (0.69" ± 0.01") (in air)
Mechanical Back Focal Length	9.87 mm ± 0.2 mm (0.39" ± 0.01") (in air)
Field of View	1.1": 20.9° × 17.2° × 11.6° (@17.56 × 14.47 × 9.94 mm) 1": 18.7° × 16.5° × 8.7° (@16.1 × 14.13 × 7.45 mm)
Distortion	-1.3%
Minimum Object Distance (MOD)	1 m (3.28 ft)

### Control Mode

Zoom	Fixed
Focus Control	Manual
Iris Control	Manual

### Port

Port Type	C mount
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### Structure

Product Dimensions	Φ56 mm × 80.2 mm (Φ2.2" × 3.16")
Appearance Color	Black
Casing	Metal

Net Weight	0.335 kg ± 0.005 kg (0.74 lb ± 0.01 lb)
Gross Weight	0.4 kg ± 0.010 kg (0.88 lb ± 0.02 lb)
Packaging Method	30 pieces in one carton
Packaging Dimensions	Package: 124 mm × 82 mm × 89 mm (4.88" × 3.23" × 3.5") (L × W × H) Protection box: 265 mm × 265 mm × 470 mm (10.43" × 10.43" × 18.50") (L × W × H)

### Environment

Operating Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Humidity	≤ 95% (RH)
Storage Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Storage Humidity	≤ 95% (RH)

## Ordering Information

Type	Model	Description
HD Fixed-focal Lens	DH-PFL50-L12M-AIR	Dahua 12 MP 1.1" F1.4 50 mm Fixed-focal Lens
HD Fixed-focal Lens	PFL50-L12M-AIR	12 MP 1.1" F1.4 50 mm Fixed-focal Lens

## Dimensions (mm[inch])

