

DH-PFL16-L12M

12MP 1.1" 16 mm Fixed-focal Lens



- 12MP for excellent imaging
- F1.0 large aperture, suitable for intelligent surveillance in ultra-low light conditions
- 1.1" image sensor, installable on most traffic enforcement cameras
- Standard interface, easy installation and strong camera compatibility
- Comply with RoHS

Technical Specification

Performance

Image Sensor Size	1.1"
Focal Length	16 mm
Pixel	12MP
Max. Aperture	F1.0
IR Correction	No
Chief Ray Angle (CRA)	10.2°
Total Optical Length	113.3 mm (4.46")
Flange Back Focal Length	17.5 mm (0.69")
Mechanical Back Focal Length	11.65 mm (in air) (0.46")
Field of View	1.1": 59.9° × 50.1° × 34.9°@17.55 mm × 14.47 mm × 9.936 mm (Diagonal × Horizontal × Vertical) 1": 55° × 49° × 26.3° @16.1 mm × 14.13 mm × 7.45 mm (Diagonal × Horizontal × Vertical)
Distortion	-6% (1.1")
Minimum Object Distance (MOD)	3 m (9.84 ft)

Lens Control

Zoom	Fixed
Focus	Manual
Iris	Manual

Mount

Mount Type	C mount
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General

Product Dimensions	Ø64 mm × 103.9 mm (Ø2.52" × 4.09")
Color	Black

Casing	Metal
Net Weight	0.683 kg (1.51 lb)
Gross Weight	0.8 kg (1.76 lb)
Packaging Method	14 pcs in each carton
Packaging Dimensions	Inner carton: 172 mm × 122 mm × 125 mm (6.77" × 4.8" × 4.92") (L × W × H) Master carton: 540 mm × 280 mm × 240 mm (21.26" × 11.02" × 9.45") (L × W × H)

Environment

Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Operating Humidity	10%–90% (RH)
Storage Temperature	-30°C to +70°C (-22°F to +158°F)
Storage Humidity	10%–90% (RH)
Certifications	CE, FCC

Ordering Information

Type	Model	Description
HD Fixed-focal Lens	DH-PFL16-L12M	Dahua 12MP 1.1" 16 mm Fixed-focal Lens

Dimensions (mm[inch])

