alhua TECHNOLOGY

DH-PFL1640-L12PE
12MP 1.1" F1.4 16-40 mm Motorized Lens (P-iris)

· 12MP for excellent imaging
· Suitable for face capture in low-light conditions with large aperture; applicable to high-definition shooting at night with IR correction
· 1.1" image sensor, installable on most traffic enforcement cameras
· Standard interface, easy installation and strong camera compatibility

System Overview

Dahua 1.1" 16-40 mm lenses with IR correction are suitable for cameras with 1.1" large image sensors, making the night shooting brighter and clearer.

Functions

IR Correction
IR correction with 850nm and 750nm

Wide Coverage
16-40 mm focal length

Large Image Sensor
1.1" image sensor size

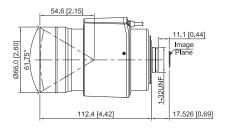## Scene

Applicable to cameras related with traffic issues.

Technical Specification

General

Image Sensor Size	1.1"
Focal Length	16 mm–40 mm
Pixel	12MP
Max. Aperture	F1.4
IR Correction	Yes
Chief Ray Angle (CRA)	<7.5° (W) & (T)
Total Optical Length	130 mm
Flange Back Focal Length	17.5 mm
Mechanical Back Focal Length	11.61 mm

Field of View	1.1": W: 60.3° × 50.1° × 34.4° T: 25.3° × 21.2° × 14.7° @17.55 mm × 14.4 7mm × 9.936 mm (Diagonal × Horizontal × Vertical) 1": W: 55.7° × 49° × 25.9° T: 23.5° × 20.7° × 11.1°@16.1 mm × 14.13 mm × 7.45 mm (Diagonal × Horizontal × Vertical)
Distortion	−9% (W)–1.2% (T)
Minimum Object Distance (MOD)	1.5 m (4.92 ft) (W)-2.5 m (8.20 ft) (T)
Zoom Control	Motorized
Focus Control	Motorized
Iris Control	P-iris
Mount Type	C mount
Product Dimensions	Ø66 mm × 112.4 mm (Ø2.60" × 4.43")
Color	Black
Casing	Metal
Net Weight	0.709 ± 0.005 kg (1.56 ± 0.01 lb)
Gross Weight	0.815 ± 0.005 kg (1.80 ± 0.01 lb)
Packaging Method	20 pcs in each master carton
Packaging Dimensions	615 mm × 345 mm × 250 mm (24.21" × 13.58" × 9.84") (L × W × H)
Operating Temperature	−30°C to +70°C (−22°F to +158°F)
Operating Humidity	≤95% (RH)
Storage Te mperature	−40°C to +70°C (−40°F to 158°F)
Storage Humidity	≤95% (RH)

Ordering Information

Type	Model	Description
HD Lens	DH-PFL1640 -L12PE	Dahua 12MP 1.1" F1.4 16-40 mm Motorized Lens (P-iris)
HD Lens	PFL1640-L12PE	General 12MP 1.1" F1.4 16-40 mm Motorized Lens (P-iris)

Dimensions (mm[inch])

1	B
2	A
3	A̅
4	B̅

1	FOCUS_A+
2	FOCUS_A-
3	ZOOM_A+
4	ZOOM_A-
5	ZOOM_B+
6	ZOOM_B-
7	FOCUS_B-
8	FOCUS_B+