

DH-PFL010542-A12PE

12MP 1/1.7" 10.5-42 mm Motorized Vari-focal Lens



- Motorized zoom and focus for remote and smart control with low installation cost.
- Excellent image delivery quality and high resolution.
- IR correction ensures 24-hour real-time monitoring.
- Built-in P-Iris that easily adapts to various light conditions.
- Standard mount for easy installation and strong compatibility.

Technical Specification

Performance

Image Sensor Size	1/1.7"
Focal Length	10.5 mm–42 mm
Pixel	12 MP
Max. Aperture	F1.5 (W)–F1.8(T)
IR Correction	Yes
Chief Ray Angle (CRA)	2.3° (W)–3.7° (T)
Total Optical Length	102.3 mm (4.03")
Flange Back Focal Length	12.5 mm (0.49")
Mechanical Back Focal Length	8.32 mm (0.33")
Field of View	1/1.7": W: 46.3° × 36.7° × 27.3° T: 14.3° × 10.2° × 8.5° (D × H × V) 1/1.8": W: 44.6° × 35.3° × 26.3° T: 13.8° × 10.9° × 8.1° (D × H × V) 1/2": W: 39.4° × 31.3° × 23.3° T: 12.2° × 9.7° × 7.2° (D × H × V)
Distortion	–6.2% to –2.1%
Minimum Object Distance (MOD)	1 m (3.28 ft)

Lens Control

Zoom	Motorized
Focus	Motorized
Iris	P-iris

Mount

Mount Type	CS mount
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General

Product Dimensions	70.6 mm × 67.7 mm × 94.7 mm (2.78" × 2.67" × 3.73")
Color	Black
Casing	Metal
Net Weight	0.35 kg (0.77 lb)
Gross Weight	0.45 kg (0.99 lb)
Packaging Method	30 pcs in each master carton
Packaging Dimensions	Package: 138mm × 121 mm × 109 mm (5.43" × 4.76" × 4.29") (L × W × H) Protection box: 585 mm × 390 mm × 310 mm (23.03" × 15.35" × 12.20") (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)

Ordering Information

Type	Model	Description
HD Vari-focal Lens	DH-PFL010542-A12PE	Dahua 12MP 1/1.7" 10.5-42 mm Motorized Vari-focal Lens

Dimensions (mm[inch])

