

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	$\begin{array}{l} 1/1.7": \\ W: 46.3^{\circ} \times 36.7^{\circ} \times 27.3^{\circ} \\ T: 14.3^{\circ} \times 10.2^{\circ} \times 8.5^{\circ} \\ (D \times H \times V) \\ 1/1.8": \\ W: 44.6^{\circ} \times 35.3^{\circ} \times 26.3^{\circ} \\ T: 13.8^{\circ} \times 10.9^{\circ} \times 8.1^{\circ} \\ (D \times H \times V) \\ 1/2": \\ W: 39.4^{\circ} \times 31.3^{\circ} \times 23.3^{\circ} \\ T: 12.2^{\circ} \times 9.7^{\circ} \times 7.2^{\circ} \\ (D \times H \times V) \end{array}$	
Distortion	-6.2% to -2.1%	
Minimum Object Distance (MOD)	1 m (3.28 ft)	
Lens Control		
Zoom	Motorized	
Focus	Motorized	
Iris	P-iris	

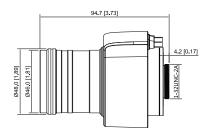
Mount Type	CS mount	
General		
Product Dimensions	70.6 mm × 67.7 mm × 94.7 mm (2.78" × 2.67" × 3.73")	
Color	Black	
Casing	Metal	
Net Weight	0.35 kg (0.77 lb)	
Gross Weight	0.45 kg (0.99 lb)	
Packaging Method	30 pcs in each master carton	
Packaging Dimensions	Package: 138mm ×121 mm × 109 mm (5.43" × 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)	

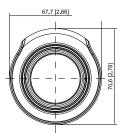
Ordering Information

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

Mount

Dimensions (mm[inch])





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