

DH-PFL1040-A12PE

DH 12 MP 1/1.7" F1.2 10-40 mm Motorized Vari-Focal Lens



- Supports motorized zoom and focus, remote control and smart control, and has low installation cost.
- 12 MP image sensor and F1.2 starlight+ lens allow the camera to produce high definition images in low light conditions.
- Fitted with a 1/1.7-inch target lens that is widely used in IPC cameras on the market.
- Supports P-Iris to easily adapt to various lighting conditions.
- Standard mount that simplifies installation and is widely compatible.
- Meets ROHS standards.

System Overview

Motorized Vari-Focal Lens is a high pixel lens that supports switching between various focal lengths, apertures and image sensors. It supports IR correction and 24-hour monitoring. Easy to install, the lens has standard ports, is highly compatible, and meets the ROHS standard.

Technical Specification

Performance

Image Sensor Size	1/1.7" CMOS
Focal Length	(10 mm–40 mm)
Lens Pixel	12 MP
Aperture	F1.2
IR Light	Yes
CRA (Chief Ray Angle)	4°
Total Optical Length	109.8 mm ± 0.5 mm (4.32" ± 0.02")
Flange Back Focal Length	17.526 mm (0.69")
Mechanical Back Focal Length	≥ 6.24 mm (≥ 0.25") (in air)
Field of View	1/1.7": W: 51° × 41° × 31° T: 14° × 11° × 8° (@9.33 mm × 7.4 mm × 5.55 mm) 1/1.8": W: 49° × 43° × 24° T: 13° × 12° × 7° (@8.8 mm × 7.67 mm × 4.31 mm)
TV Distortion	-5% W–0.19% T (1/1.7"); -4.5% W–0.15% T (1/1.8")
Minimum Object Distance (MOD)	1 m (3.28 ft) (W)–3 m (9.84 ft) (T)

Control Mode

Zoom	Motorized
Focus Control	Motorized
Iris Control	P-Iris

Port

Port Type	C
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Structure

Product Dimensions	Φ56 mm × 95.6 mm (Φ2.20" × 3.76")
Appearance Color	Black
Casing	Metal; plastic
Net Weight	0.448 kg ± 0.002 kg (0.99 lb ± 0.004 lb)
Gross Weight	0.5 kg ± 0.002 kg (1.10 lb ± 0.004 lb)
Packaging Method	17
Packaging Dimensions	Box dimensions: 140 mm × 105 mm × 105 mm (5.51" × 4.13" × 4.13") (L × W × H) Protective box dimensions: 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	95% (RH)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Humidity	95% (RH)

Dimensions (mm[inch])

