

DH-PFL1040-K9M

9MP 1" 10-40mm vari-focal lens



- Supports up to 9 MP, producing high-quality images.
- 1" target surface lens that is compatible with ITC cameras.
- Standard C mount makes the device easy to install and highly compatible.

Series Overview

HD 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.

Scene

Ideal for cameras, and works in temperatures ranging from -30°C to $+70^{\circ}\text{C}$ (-22°F to $+158^{\circ}\text{F}$) and in environments with a relative humidity of less than 95%.

Technical Specification

Performance

Image Sensor Size	1"CMOS
Focal Length	10 mm–40 mm
Lens Pixel	9 MP
Aperture	F1.5
IR Light	No
CRA (Chief Ray Angle)	5.8°
Total Optical Length	108.55 mm \pm 0.5 mm (4.27" \pm 0.02") (In air)
Flange Back Focal Length	17.53 mm \pm 0.2 mm (0.69" \pm 0.01") (In air)
Mechanical Back Focal Length	10.9 mm \pm 0.2 mm (0.43" \pm 0.01") (In air)
Field of View	W: $70^{\circ} \times 58^{\circ} \times 44^{\circ}$ T: $24.2^{\circ} \times 19.5^{\circ} \times 14.6^{\circ}$ (@16.1 mm \times 14.13 mm \times 7.45 mm) (@0.63" \times 0.55" \times 0.29")

TV Distortion	-8% to -4.86%
Minimum Object Distance (MOD)	2.5 m (8.20 ft)

Control Mode

Zoom	Manual
Focus Control	Manual
Iris Control	Manual

Port

Port Type	C
-----------	---

Structure

Product Dimensions	$\Phi 66.0\text{ mm} \times 98.1\text{ mm}$ ($\Phi 2.60" \times 3.87"$)
Appearance Color	Black
Casing Material	Metal, plastic
Net Weight	0.58 kg (1.28 lb)
Gross Weight	0.67 kg (1.48 lb)
Packaging Method	24 in one package

Environment

Operating Temperature	-30°C to $+70^{\circ}\text{C}$ (-22°F to $+158^{\circ}\text{F}$)
Operating Humidity	95% (RH)
Storage Temperature	-40°C to $+80^{\circ}\text{C}$ (-40°F to $+176^{\circ}\text{F}$)
Storage Humidity	95% (RH)

Ordering Information

Type	Model	Description
HD Vari-focal Lens	DH-PFL1040-K9M	9MP 1" 10-40mm vari-focal lens

Dimensions (mm[inch])

mm [inch]

