

PFL55-L12M

12 MP 1.1" F1.2 55mm Fixed-focal lens



- Supports up to 12 MP, producing high-quality images.
- Includes a large aperture lens with a long focal length, making it suitable for face snapshots in low-light conditions.
- 1.1" target surface lens that is compatible with ITC cameras.
- Standard C mount makes the device easy to install and highly compatible.
- ROHS standard.

Series Overview

HD Fixed-Focal Lens is a high pixel, large format lens that supports switching between various focal lengths and apertures. It meets the demands of a wide variety of scenarios, with select models supporting 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 $-30\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$ ($-22\text{ }^{\circ}\text{F}$ to $+158\text{ }^{\circ}\text{F}$) and in environments with a relative humidity of less than 95%.

Technical Specification

Performance

Image Sensor Size	1.1"CMOS
Focal Length	55 mm
Lens Pixel	12 MP
Aperture	F1.2
IR Light	No
CRA (Chief Ray Angle)	7.53°
Total Optical Length	113.9 mm \pm 0.5 mm (4.48" \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	13.03 mm \pm 0.2 mm (0.51" \pm 0.01") (in air)
Field of View	1.1": 18.7° × 16.97° × 9.73° (@17.96 mm × 15.36 mm × 9.34 mm) 1": 16.6° × 14.7° × 7.76° (@15.98 mm × 14.13 mm × 7.45 mm)

TV Distortion	-0.6%
Minimum Object Distance (MOD)	5 m (16.40 ft)

Control Mode

Zoom	Fixed
Focus Control	Manual
Iris Control	Manual

Port

Port Type	C
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Structure

Product Dimensions	Φ62 mm × 98.1 mm (2.44" × 3.86")
Appearance Color	Black
Casing Material	Metal
Net Weight	0.62 kg \pm 0.005 kg (1.37 lb \pm 0.01 lb)
Gross Weight	0.71 kg \pm 0.01 kg (1.57 lb \pm 0.02 lb)
Packaging Method	24 in one package
Packaging Dimensions	139 mm × 138 mm × 116 mm (5.47" × 5.43" × 4.57") (L × W × H)

Environment

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

HD Fixed-focal Lens | PFL55-L12M

Ordering Information

Type	Model	Description
HD Fixed-focal Lens	PFL55-L12M	12 MP 1.1" F1.2 55mm Fixed-focal lens

Dimensions (mm[inch])

