



PMS-LFHHG-1220M(B)

FA Machine Vision Lens

Professional optical design with low distortion and uniform image quality from center to edge.

PRODUCT FEATURES

- ◆ High-resolution machine vision lens.
- ◆ Multi-layer coating with high transmittance to reduce stray light.
- ◆ Large sensor coverage with a wide field of view.
- ◆ Vibration- and shock-resistant construction.

PMS-LFHHG-1220M(B)		SPECIFICATIONS
Sensor Format		4/3" (23 mm)
Spectral Range		420-1000 nm
Focal Length		12 mm
Mount		C-Mount
Iris Range		F2.0-F22
Field of View (D x H x V)	4/3"	89.1° x 75.6° x 61.2°
	1"	69.0° x 57.36° x 44.3°
	1/2"	37.4° x 30.2° x 22.7°
Object Size (at minimum focus distance)	4/3"	319.4 x 262.7 x 204.4 mm
	1"	235.5 x 189.9 x 143.2 mm
	1/2"	119.8 x 95.9 x 72.0 mm
Back Focal Length (in air)		18.8 mm
Operation	Focus	Manual
	Iris	Manual
	4/3"	-2.05% @ y=11.5 mm
Distortion	1"	-1.73% @ y=8.0 mm
	1/2"	-1.01% @ y=4.0 mm
Focusing Range		0.15 m-∞
Filter Thread		M77.0 x P0.75
Weight		438 g
Operating Temperature		-20°C to +60°C

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DIMENSIONS

Technical drawing of the PMS-LFHHG-1220M(B) lens. The drawing includes a front view (top) and a side view (bottom). The front view shows a circular lens with a diameter of $\varnothing 79.8$. The side view shows the lens profile with a total height of 83.8. The lens has a flange with a thickness of 13.35 and a diameter of $\varnothing 79.8$. The lens body has a diameter of $\varnothing 48$ at the base. The lens is marked with "POMEAS" and "1:2.2". A dimension of 30.15 is shown for the distance from the base to the center of the lens. A dimension of 4 is shown for the distance from the base to the center of the lens.

Unit: mm	Model	PMS-LFHHG-1220M(B)
View	Name	
0.01.0 inch 0.025.0 mm	Date	2019/11/2
POMEAS		

