



PMS-LFEHH-1228M(B)

FA Machine Vision Lens

Professional optical design for low distortion and uniform image quality.

PRODUCT FEATURES

- Supports 10 MP cameras with sensors up to 2/3 inch.
- Manual iris, F2.8-F16 aperture range and 12 mm focal length.
- High depth of field, low distortion and high resolution.
- Optimized optical design for machine vision and automation applications.

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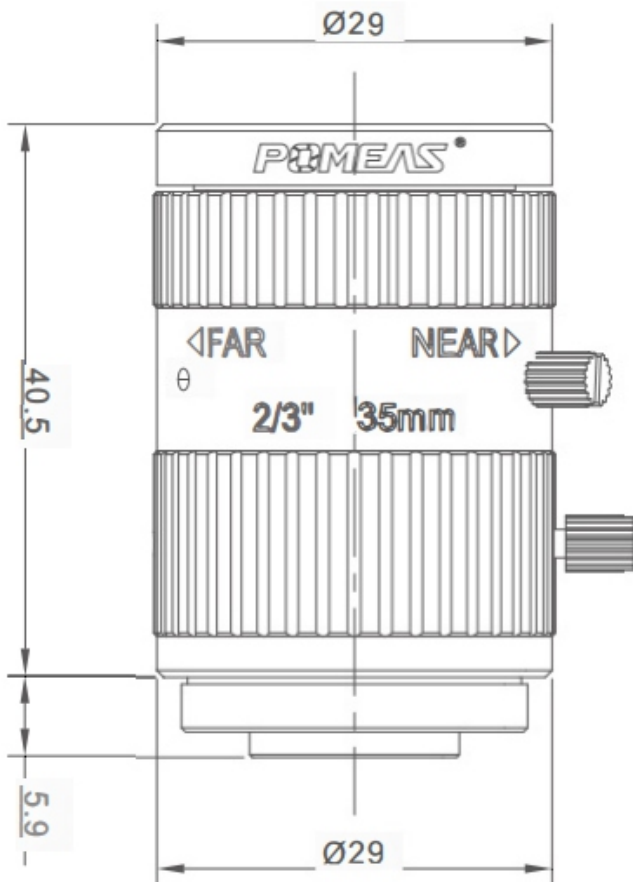
SPECIFICATIONS

Sensor Size		2/3"(11mm)			
Wavelength Range		420~1000nm			
Focal Length		12mm			
Mount		C-Mount			
Iris Range		F2.8-16			
Field Angle (Diagonal x Horizontal x Vertical)	2/3"	49.2°×40.3°×30.8°			
	1/2"	36.9°×29.9°×22.7°			
	1/3"	28.1°×22.7°×17.1°			
Object Size (at Minimum Focusing Distance)	2/3"	140.5×112.4×84.3mm			
	1/2"	101.7×81.4×61.0mm			
	1/3"	76.1×60.9×45.7mm			
Back Focal Length (in air)		8.43mm			
Operation Mode	Focus	Manual			
	Iris	Manual			
Distortion	2/3"	0.037%@y=5.5mm			
	1/2"	-0.17%@y=4.0mm			
	1/3"	-0.15%@y=3.0mm			
Focusing Range		0.15m~∞			
Filter Thread		M27×P0.5			
Operating Temperature		-20°C~+60°C			

Extension Ring Thickness (mm)	Working Distance	Magnification	FIELD OF VIEW			
			2/3"		1/2"	
			H(8.45mm)	V(7.07mm)	H(6.22mm)	V(4.67mm)
0	1000mm	-0.01198×	708.14	588.59	515.01	428.06
	950mm	-0.01261×	672.94	559.33	489.41	406.78
	900mm	-0.01331×	637.65	529.99	463.74	385.45
	850mm	-0.01409×	602.33	500.63	438.06	364.10
	800mm	-0.01497×	566.98	471.25	412.35	342.73
	750mm	-0.01596×	517.93	441.96	376.67	321.43
	700mm	-0.01709×	496.55	412.72	361.13	300.16
	650mm	-0.01840×	461.20	383.34	335.42	278.79
	600mm	-0.01993×	425.81	353.92	309.68	257.40
	550mm	-0.02172×	390.63	324.68	284.09	236.13
	500mm	-0.02389×	355.22	295.25	258.34	214.73
	450mm	-0.02651×	320.03	266.00	232.75	193.46
	400mm	-0.02980×	284.64	236.58	207.01	172.06
	350mm	-0.03405×	249.22	207.14	181.25	150.65
	300mm	-0.03964×	214.05	177.91	155.68	129.39
	250mm	-0.04749×	178.67	148.50	129.94	108.00
	200mm	-0.05914×	143.47	119.25	104.34	86.73
	150mm	-0.07844×	108.18	89.91	78.68	65.39
0.5	100mm	-0.11104×	76.42	63.51	55.58	46.19

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PRODUCT DIMENSIONS



Unit: mm Scale: 1:1	Model	PMS-LFEHH-1228M(B)
Projection:	Name	
	Date	2019/11/2

