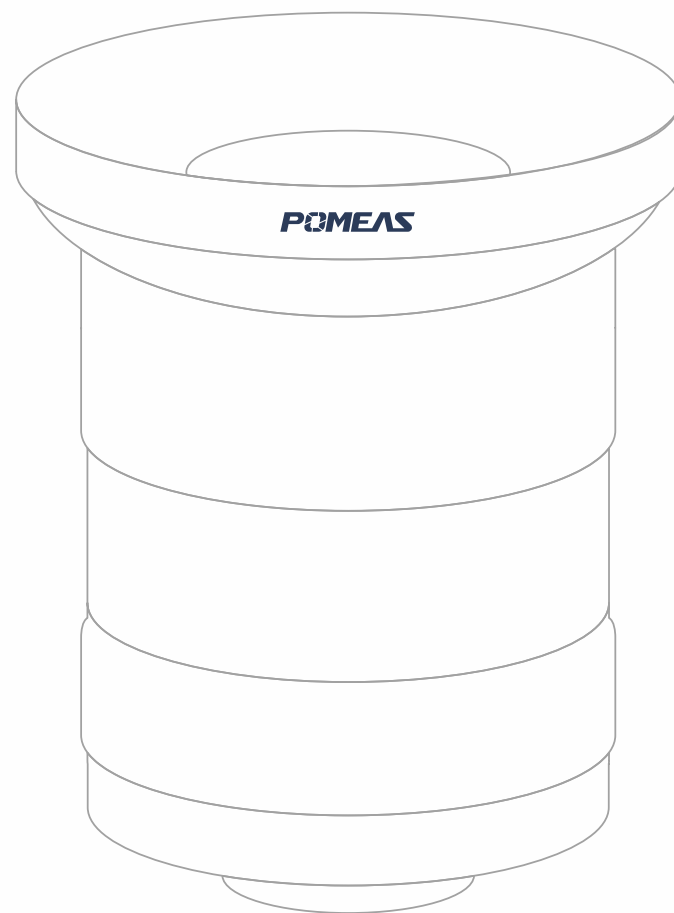


FA/MACHINE VISION LENS SERIES

To fully meet customers requirements, Pomeas develops full range FA lenses,including 1.5MP 2/3"series, 5MP 2/3"series, 5MP 1" series and 10MP 4/3"series20MP1.1"/4K/8K/16KSeries.. OEM business is welcomed also.

Widely used in machine vision, security, automatic production, electronic communication.



Main Advantage:

1. Professional optical design, high resolution, low distortion, low chromatic aberration.
2. Uniform distribution of light, even illumination, no image vignetting
3. Advanced coating technology, at the utmost extent, to decrease the stray light and ghost.
4. Metal cover, anodized surface finishing, reliable quality.



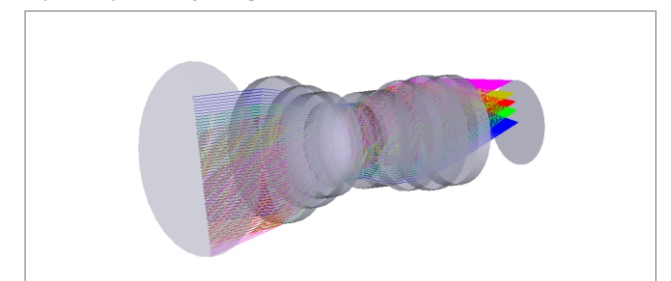
Low Distortion Machine Vision Lens

Professional optical path design, low distortion imaging, uniform distribution of center and edge light.

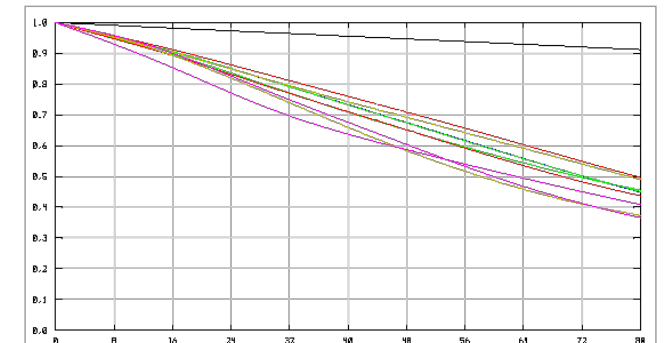
PRODUCT ADVANTAGES

- 1.Support MP/5MP/10MP 2/3" 1" 4/3" camera.
- 2.Focus and iris locking screw to ensure stable focusing.
- 3.Low distortion, sharp image.
- 4.Compact structure, excellent optical performance.

Optical pathway diagram



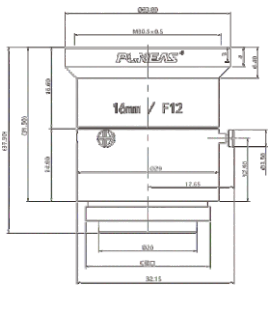
MTF Curve

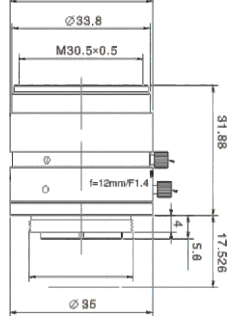


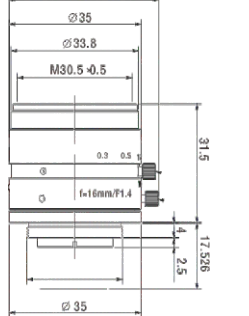
APPLICATION FIELDS

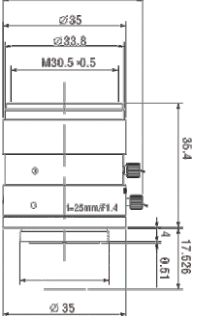
Application: widely used in machine vision, automatic production and electronic communication field.

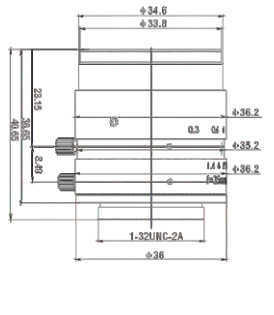
MC/LC Series Parameters												
Code	Resolution	Max. Sensor Size	Image Size	Focal Length	Iris Range	Field Of View			Distortion	Focal Length	Mount	Filter Thread
						4/3"	1"	2/3"				
PMS-1612MC	1.0MP	2/3"	16.33mm	F12	0.30m-∞	—	—	30.4°x22.9°	-1.00%@y=5.5mm	12.67mm	C-Mount	M30.5x0.5mm
PMS-12MC	1.5MP	2/3" 8.8mmx6.6mm φ11mm	12.3mm	F1.4-C	0.15m-∞	—	—	40.0°x30.2°	-1.80%@y=5.5mm	12.70mm	C-Mount	M30.5x0.5mm
PMS-16MC			16.33mm	F1.4-C	0.30m-∞	—	—	30.4°x22.9°	-1.00%@y=5.5mm	12.67mm	C-Mount	M30.5x0.5mm
PMS-25MC			25mm	F1.4-C	0.25m-∞	—	—	19.9°x15.0°	-0.32%@y=5.5mm	13.60mm	C-Mount	M30.5x0.5mm
PMS-35MC			35mm	F1.4-C	0.30m-∞	—	—	13.8°x10.4°	-0.33%@y=5.5mm	14.7mm	C-Mount	M30.5x0.5mm
PMS-50MC			50mm	F1.8-C	0.50m-∞	—	—	9.2°x7.6°	-0.11%@y=5.5mm	12.94mm	C-Mount	M30.5x0.5mm
PMS-75MC			75mm	F2.8-C	1.10m-∞	—	—	6.7°x5.0°	0.34%@y=5.5mm	14.35mm	C-Mount	M30.5x0.5mm
PMS-1236MC			12-36mm	F2.8-C	0.15m-∞(wide) 0.5m-∞(tele)	—	—	41.4°x31.2°(wide) 13.8°x10.4°(tele)	3.5%@y=5.5mm(wide) 2.3%@y=5.5mm(tele)	12.6mm(wide) 15.2mm(tele)	C-Mount	M35.5x0.5mm
PMS-23MC	2.0MP	2/3"	22.5mm	F1.4-11	0.1m-∞	—	—	22.1°x16.7°	-0.44%@y=5.5mm	13.60mm	C-Mount	M30.5x0.5mm
PMS-08MC5M	5.0MP	2/3" 8.8mmx6.6mm φ11mm	8mm	F1.6-F22	0.1m-∞	—	—	55.8°x43.3°	-0.73%@y=5.5mm	12.44mm	C-Mount	M40.5x0.5mm
PMS-12MC5M			12mm	F1.6-F22	0.1m-∞	—	—	39.8°x30.4°	-0.53%@y=5.5mm	12.42mm	C-Mount	M37.5x0.5mm
PMS-16MC5M			16mm	F1.6-F22	0.2m-∞	—	—	30.8°x23.4°	0.07%@y=5.5mm	13.36mm	C-Mount	M37.5x0.5mm
PMS-25MC5M			25mm	F1.4-F22	0.2m-∞	—	—	20.0°x15.0°	-0.19%@y=5.5mm	12.78mm	C-Mount	M37.5x0.5mm
PMS-35MC5M			35mm	F1.4-F22	0.3m-∞	—	—	14.3°x10.8°	-0.07%@y=5.5mm	12.82mm	C-Mount	M37.5x0.5mm
PMS-50MC5M			50mm	F1.8-F22	0.4m-∞	—	—	10.1°x7.6°	0.03%@y=5.5mm	13.63mm	C-Mount	M37.5x0.5mm
PMS-75MC5M			75mm	F2.0-F22	0.9m-∞	—	—	6.7°x5.0°	0.04%@y=5.5mm	13.76mm	C-Mount	M40.5x0.5mm
PMS-1236MC5M	5.0MP	1" 12.8mmx9.6mm φ16mm	12-36mm	F2.8-F16	0.15m-∞(wide) 0.45m-∞(tele)	—	—	41.2°x31.2°(wide) 13.8°x10.4°(tele)	-3.4%@y=5.5mm(wide) 1.4%@y=5.5mm(tele)	18.93mm(wide) 18.87mm(tele)	C-Mount	M40.5x0.5mm
PMS-12LC5M			12mm	F1.6-F22	1m-∞	—	57.1°x44.1°	40.6°x30.9°	-2.88%@y=8.0mm	13.54mm	C-Mount	M52.0x0.75mm
PMS-16LC5M			16mm	F1.6-F22	1m-∞	—	44.2°x33.5°	30.8°x23.2°	-3.73%@y=8.0mm	12.17mm	C-Mount	M37.5x0.5mm
PMS-20LC5M			20mm	F1.6-F22	1m-∞	—	35.8°x27.2°	25.0°x18.8°	-1.82%@y=8.0mm	13.08mm	C-Mount	M37.5x0.5mm
PMS-25LC5M			25mm	F1.6-F22	—	—	29.0°x21.8°	20.0°x15.0°	-2.06%@y=8.0mm	12.69mm	C-Mount	M33.7x0.5mm
PMS-35LC5M	10.0MP	2/3"	35mm	F1.4-F22	—	—	18.2°x14.1°	12.9°x9.6°	0.27%@y=8.0mm	12.83mm	C-Mount	M39.0x0.5mm
PMS-08MC10M			8mm	F2.4-F22	0.25m-∞	—	—	56.6°x44.0°	-3.16%@y=5.5mm	10.30mm	C-Mount	M37.0x0.5mm
PMS-08MC10M(A)			8mm	F2.8-16	0.15m-∞	—	—	58.5°x45.5°	-0.81%@y=5.5mm	10.7mm	C-Mount	M32.7xP0.5mm
PMS-12MC10M(A)			12mm	F1.8-F22	0.1m-∞	—	—	40.9°x31.0°	-2.19%@y=5.5mm	15.10mm	C-Mount	M30.5x0.5mm
PMS-12MC10M(A)			12mm	F2.8-16	0.15m-∞	—	—	40.3°x30.8°	0.037%@y=5.5mm	8.43mm	C-Mount	M27xP0.5mm
PMS-16MC10M(A)			16mm	F2.8-16	0.15m-∞	—	—	30.7°x23.3°	0.29%@y=5.5mm	8.63mm	C-Mount	M27xP0.5mm
PMS-25MC10M(A)			25mm	F1.8-F22	0.15m-∞	—	—	20.1°x15.1°	-0.72%@y=5.5mm	12.70mm	C-Mount	M30.5x0.5mm
PMS-25UC20M(A)			25mm	F2.8-16	0.15m-∞	—	—	19.94°x15.0°	-0.016%@y=5.5mm	10.31mm	C-Mount	M27xP0.5mm
PMS-35MC10M(A)			35mm	F2.0-F22	0.2m-∞	—	—	14.35°x10.8°	-0.16%@y=5.5mm	13.00mm	C-Mount	M30.5x0.5mm
PMS-35UC20M(A)			35mm	F2.8-16	0.2m-∞	—	—	14.8°x11.1°	-0.172%@y=5.5mm	13.63mm	C-Mount	M27xP0.5mm
PMS-50UC20M-H	50mm	F2.8-16	0.3m-∞	—	—	10.08°x7.57°	0.094%@y=5.5mm	14.24mm	C-Mount	M27xP0.5mm		
PMS-12LC8M	12.0MP	4/3" 17.6mmx13.2mm φ22mm	12mm	F2.0-F22	—	75.5°x61.1°	57.3°x44.2°	—	-2.40%@y=11.0mm	18.93mm	C-Mount	M77.0x0.75mm
PMS-16LC8M			16mm	F2.0-F22	0.1m-∞	61.0°x47.2°	44.2°x33.6°	31.0°x23.4°	-2.81%@y=11.0mm	21mm	C-Mount	M58x0.75mm
PMS-25C8M			25mm	F2.0-F22	—	40.6°x31.0°	28.8°x21.8°	20.0°x15.1°	-0.66%@y=11.0mm	22.43mm	C-Mount	M46.0x0.75mm
PMS-35LC8M			35mm	F2.0-F22	—	29.6°x22.4°	20.8°x15.7°	14.4°x10.8°	-0.56%@y=11.0mm	18.65mm	C-Mount	M40.5x0.5mm
PMS-50LC8M			50mm	F2.0-F22	—	20.9°x15.7°	14.6°x11.0°	10.1°x7.6°	-0.14%@y=11.0mm	20.29mm	C-Mount	M40.5x0.5mm

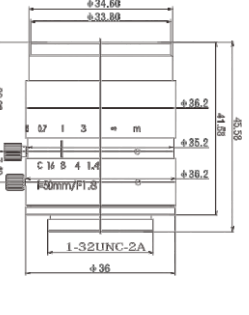
PMS-1612MC																																				
Focal Length:16.33mm 1.0MP Lens Series  Unit: mm																																				
<table><tr><th colspan="3">Max.Sensor Size</th></tr><tr><td>2/3"</td><td>8.8mm X 6.6mm</td><td>φ11mm</td></tr><tr><td colspan="3">Focal Length (MM): 16.33mm</td></tr><tr><td colspan="3">Iris Range: F12</td></tr><tr><td colspan="3">Focusing Range : 0.30m-∞</td></tr><tr><td colspan="3">Distortion : -1.00%@y = 5.5mm</td></tr><tr><td colspan="3">Back Focal Length :12.67mm</td></tr><tr><td colspan="3">Mount: C-Mount</td></tr><tr><td colspan="3">Filter Thread: M30.5X0.5mm</td></tr><tr><th colspan="3">Field Of View(DxHxV)</th></tr><tr><td>2/3"</td><td></td><td></td></tr><tr><td>30.4°X22.9°</td><td></td><td></td></tr></table>	Max.Sensor Size			2/3"	8.8mm X 6.6mm	φ11mm	Focal Length (MM): 16.33mm			Iris Range: F12			Focusing Range : 0.30m-∞			Distortion : -1.00%@y = 5.5mm			Back Focal Length :12.67mm			Mount: C-Mount			Filter Thread: M30.5X0.5mm			Field Of View(DxHxV)			2/3"			30.4°X22.9°		
Max.Sensor Size																																				
2/3"	8.8mm X 6.6mm	φ11mm																																		
Focal Length (MM): 16.33mm																																				
Iris Range: F12																																				
Focusing Range : 0.30m-∞																																				
Distortion : -1.00%@y = 5.5mm																																				
Back Focal Length :12.67mm																																				
Mount: C-Mount																																				
Filter Thread: M30.5X0.5mm																																				
Field Of View(DxHxV)																																				
2/3"																																				
30.4°X22.9°																																				

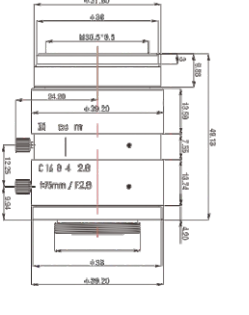
PMS-12MC																																				
Focal Length:16mm 1.5MP Lens Series  Unit: mm																																				
<table><tr><th colspan="3">Max.Sensor Size</th></tr><tr><td>2/3"</td><td>8.8mm X 6.6mm</td><td>φ11mm</td></tr><tr><td colspan="3">Focal Length (MM): 12.3mm</td></tr><tr><td colspan="3">Iris Range: F1.4-C</td></tr><tr><td colspan="3">Focusing Range : 0.15m-∞</td></tr><tr><td colspan="3">Distortion : -1.80%@y = 5.5mm</td></tr><tr><td colspan="3">Back Focal Length :12.70mm</td></tr><tr><td colspan="3">Mount: C-Mount</td></tr><tr><td colspan="3">Filter Thread: M30.5X0.5mm</td></tr><tr><th colspan="3">Field Of View(DxHxV)</th></tr><tr><td>4/3"</td><td>1"</td><td>2/3"</td></tr><tr><td>—</td><td>—</td><td>40°X30.2°</td></tr></table>	Max.Sensor Size			2/3"	8.8mm X 6.6mm	φ11mm	Focal Length (MM): 12.3mm			Iris Range: F1.4-C			Focusing Range : 0.15m-∞			Distortion : -1.80%@y = 5.5mm			Back Focal Length :12.70mm			Mount: C-Mount			Filter Thread: M30.5X0.5mm			Field Of View(DxHxV)			4/3"	1"	2/3"	—	—	40°X30.2°
Max.Sensor Size																																				
2/3"	8.8mm X 6.6mm	φ11mm																																		
Focal Length (MM): 12.3mm																																				
Iris Range: F1.4-C																																				
Focusing Range : 0.15m-∞																																				
Distortion : -1.80%@y = 5.5mm																																				
Back Focal Length :12.70mm																																				
Mount: C-Mount																																				
Filter Thread: M30.5X0.5mm																																				
Field Of View(DxHxV)																																				
4/3"	1"	2/3"																																		
—	—	40°X30.2°																																		

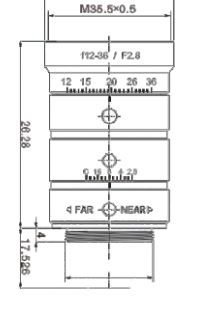
PMS-16MC																																				
Focal Length:16mm 1.5MP Lens Series  Unit: mm																																				
<table><tr><th colspan="3">Max.Sensor Size</th></tr><tr><td>2/3"</td><td>8.8mm X 6.6mm</td><td>φ11mm</td></tr><tr><td colspan="3">Focal Length (MM): 16.33mm</td></tr><tr><td colspan="3">Iris Range: F1.4-C</td></tr><tr><td colspan="3">Focusing Range : 0.30m-∞</td></tr><tr><td colspan="3">Distortion : -1.00%@y = 5.5mm</td></tr><tr><td colspan="3">Back Focal Length :12.67mm</td></tr><tr><td colspan="3">Mount: C-Mount</td></tr><tr><td colspan="3">Filter Thread: M30.5X0.5mm</td></tr><tr><th colspan="3">Field Of View(DxHxV)</th></tr><tr><td>4/3"</td><td>1"</td><td>2/3"</td></tr><tr><td>—</td><td>—</td><td>30.4°X22.9°</td></tr></table>	Max.Sensor Size			2/3"	8.8mm X 6.6mm	φ11mm	Focal Length (MM): 16.33mm			Iris Range: F1.4-C			Focusing Range : 0.30m-∞			Distortion : -1.00%@y = 5.5mm			Back Focal Length :12.67mm			Mount: C-Mount			Filter Thread: M30.5X0.5mm			Field Of View(DxHxV)			4/3"	1"	2/3"	—	—	30.4°X22.9°
Max.Sensor Size																																				
2/3"	8.8mm X 6.6mm	φ11mm																																		
Focal Length (MM): 16.33mm																																				
Iris Range: F1.4-C																																				
Focusing Range : 0.30m-∞																																				
Distortion : -1.00%@y = 5.5mm																																				
Back Focal Length :12.67mm																																				
Mount: C-Mount																																				
Filter Thread: M30.5X0.5mm																																				
Field Of View(DxHxV)																																				
4/3"	1"	2/3"																																		
—	—	30.4°X22.9°																																		

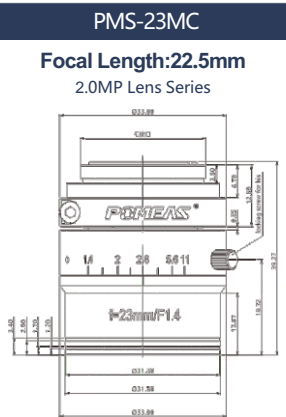
PMS-25MC																																				
Focal Length:25mm 1.5MP Lens Series  Unit: mm																																				
<table><tr><th colspan="3">Max.Sensor Size</th></tr><tr><td>2/3"</td><td>8.8mm X 6.6mm</td><td>φ11mm</td></tr><tr><td colspan="3">Focal Length (MM): 25 mm</td></tr><tr><td colspan="3">Iris Range: F1.4-C</td></tr><tr><td colspan="3">Focusing Range : 0.25m-∞</td></tr><tr><td colspan="3">Distortion : -0.32%@y = 5.5mm</td></tr><tr><td colspan="3">Back Focal Length :13.60mm</td></tr><tr><td colspan="3">Mount: C-Mount</td></tr><tr><td colspan="3">Filter Thread: M30.5X0.5mm</td></tr><tr><th colspan="3">Field Of View(DxHxV)</th></tr><tr><td>4/3"</td><td>1"</td><td>2/3"</td></tr><tr><td>—</td><td>—</td><td>19.9°X15.0°</td></tr></table>	Max.Sensor Size			2/3"	8.8mm X 6.6mm	φ11mm	Focal Length (MM): 25 mm			Iris Range: F1.4-C			Focusing Range : 0.25m-∞			Distortion : -0.32%@y = 5.5mm			Back Focal Length :13.60mm			Mount: C-Mount			Filter Thread: M30.5X0.5mm			Field Of View(DxHxV)			4/3"	1"	2/3"	—	—	19.9°X15.0°
Max.Sensor Size																																				
2/3"	8.8mm X 6.6mm	φ11mm																																		
Focal Length (MM): 25 mm																																				
Iris Range: F1.4-C																																				
Focusing Range : 0.25m-∞																																				
Distortion : -0.32%@y = 5.5mm																																				
Back Focal Length :13.60mm																																				
Mount: C-Mount																																				
Filter Thread: M30.5X0.5mm																																				
Field Of View(DxHxV)																																				
4/3"	1"	2/3"																																		
—	—	19.9°X15.0°																																		

PMS-35MC																																				
Focal Length:35mm 1.5MP Lens Series  Unit: mm																																				
<table><tr><th colspan="3">Max.Sensor Size</th></tr><tr><td>2/3"</td><td>8.8mm X 6.6mm</td><td>φ11mm</td></tr><tr><td colspan="3">Focal Length (MM): 35 mm</td></tr><tr><td colspan="3">Iris Range: F1.4-C</td></tr><tr><td colspan="3">Focusing Range : 0.30m-∞</td></tr><tr><td colspan="3">Distortion : -0.33%@y = 5.5mm</td></tr><tr><td colspan="3">Back Focal Length :14.7mm</td></tr><tr><td colspan="3">Mount: C-Mount</td></tr><tr><td colspan="3">Filter Thread: M30.5X0.5mm</td></tr><tr><th colspan="3">Field Of View(DxHxV)</th></tr><tr><td>4/3"</td><td>1"</td><td>2/3"</td></tr><tr><td>—</td><td>—</td><td>13.8°X110.4°</td></tr></table>	Max.Sensor Size			2/3"	8.8mm X 6.6mm	φ11mm	Focal Length (MM): 35 mm			Iris Range: F1.4-C			Focusing Range : 0.30m-∞			Distortion : -0.33%@y = 5.5mm			Back Focal Length :14.7mm			Mount: C-Mount			Filter Thread: M30.5X0.5mm			Field Of View(DxHxV)			4/3"	1"	2/3"	—	—	13.8°X110.4°
Max.Sensor Size																																				
2/3"	8.8mm X 6.6mm	φ11mm																																		
Focal Length (MM): 35 mm																																				
Iris Range: F1.4-C																																				
Focusing Range : 0.30m-∞																																				
Distortion : -0.33%@y = 5.5mm																																				
Back Focal Length :14.7mm																																				
Mount: C-Mount																																				
Filter Thread: M30.5X0.5mm																																				
Field Of View(DxHxV)																																				
4/3"	1"	2/3"																																		
—	—	13.8°X110.4°																																		

PMS-50MC																																				
Focal Length:50mm 1.5MP Lens Series  Unit: mm																																				
<table><tr><th colspan="3">Max.Sensor Size</th></tr><tr><td>2/3"</td><td>8.8mm X 6.6mm</td><td>φ11mm</td></tr><tr><td colspan="3">Focal Length (MM): 50 mm</td></tr><tr><td colspan="3">Iris Range: F1.8-C</td></tr><tr><td colspan="3">Focusing Range : 0.5m-∞</td></tr><tr><td colspan="3">Distortion : -0.11%@y = 5.5mm</td></tr><tr><td colspan="3">Back Focal Length :12.94mm</td></tr><tr><td colspan="3">Mount: C-Mount</td></tr><tr><td colspan="3">Filter Thread: M30.5X0.5mm</td></tr><tr><th colspan="3">Field Of View(DxHxV)</th></tr><tr><td>4/3"</td><td>1"</td><td>2/3"</td></tr><tr><td>—</td><td>—</td><td>9.2°X7.6°</td></tr></table>	Max.Sensor Size			2/3"	8.8mm X 6.6mm	φ11mm	Focal Length (MM): 50 mm			Iris Range: F1.8-C			Focusing Range : 0.5m-∞			Distortion : -0.11%@y = 5.5mm			Back Focal Length :12.94mm			Mount: C-Mount			Filter Thread: M30.5X0.5mm			Field Of View(DxHxV)			4/3"	1"	2/3"	—	—	9.2°X7.6°
Max.Sensor Size																																				
2/3"	8.8mm X 6.6mm	φ11mm																																		
Focal Length (MM): 50 mm																																				
Iris Range: F1.8-C																																				
Focusing Range : 0.5m-∞																																				
Distortion : -0.11%@y = 5.5mm																																				
Back Focal Length :12.94mm																																				
Mount: C-Mount																																				
Filter Thread: M30.5X0.5mm																																				
Field Of View(DxHxV)																																				
4/3"	1"	2/3"																																		
—	—	9.2°X7.6°																																		

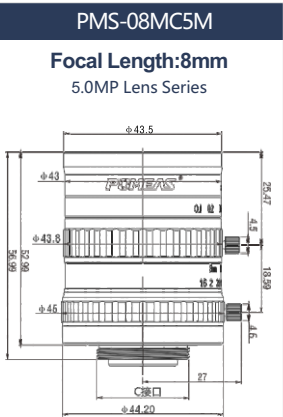
PMS-75MC											
Focal Length:75mm 1.5MP Lens Series  Unit: mm											
<table><tr><th colspan="3">Max.Sensor Size</th></tr><tr><td>2/3"</td><td>8.8mm X 6.6mm</td><td>φ11mm</td></tr><tr><td colspan="3">Focal Length (MM): 75 mm</td></tr><tr><td colspan="2">Iris Range: F2.8-C</td></tr></table>	Max.Sensor Size			2/3"	8.8mm X 6.6mm	φ11mm	Focal Length (MM): 75 mm			Iris Range: F2.8-C	
Max.Sensor Size											
2/3"	8.8mm X 6.6mm	φ11mm									
Focal Length (MM): 75 mm											
Iris Range: F2.8-C											

PMS-1236MC																																										
Focal Length:75mm 1.5MP Lens Series  Unit: mm																																										
<table><tr><th colspan="3">Max.Sensor Size</th></tr><tr><td>2/3"</td><td>8.8mm X 6.6mm</td><td>φ11mm</td></tr><tr><td colspan="3">Focal Length (MM): 75 mm</td></tr><tr><td colspan="3">Iris Range: F2.8-C</td></tr><tr><td colspan="3">Focusing Range : 0.15m-∞(wide)</td></tr><tr><td colspan="3">0.5m-∞ (tele)</td></tr><tr><td colspan="3">Distortion : 3.5%@y = 5.5mm(wide)</td></tr><tr><td colspan="3">2.3%@y = 5.5mm(tele)</td></tr><tr><td colspan="3">Back Focal Length :12.6mm(wide) 15.2 (tele)</td></tr><tr><td colspan="3">Mount: C-Mount</td></tr><tr><td colspan="3">Filter Thread: M35.5X0.5mm</td></tr><tr><th colspan="3">Field Of View(DxHxV)</th></tr><tr><td>2/3"</td><td></td><td></td></tr><tr><td>49.1°X40.2°X30.7(wide)</td><td>17.2°X13.9°X10.5°(tele)</td><td></td></tr></table>	Max.Sensor Size			2/3"	8.8mm X 6.6mm	φ11mm	Focal Length (MM): 75 mm			Iris Range: F2.8-C			Focusing Range : 0.15m-∞(wide)			0.5m-∞ (tele)			Distortion : 3.5%@y = 5.5mm(wide)			2.3%@y = 5.5mm(tele)			Back Focal Length :12.6mm(wide) 15.2 (tele)			Mount: C-Mount			Filter Thread: M35.5X0.5mm			Field Of View(DxHxV)			2/3"			49.1°X40.2°X30.7(wide)	17.2°X13.9°X10.5°(tele)	
Max.Sensor Size																																										
2/3"	8.8mm X 6.6mm	φ11mm																																								
Focal Length (MM): 75 mm																																										
Iris Range: F2.8-C																																										
Focusing Range : 0.15m-∞(wide)																																										
0.5m-∞ (tele)																																										
Distortion : 3.5%@y = 5.5mm(wide)																																										
2.3%@y = 5.5mm(tele)																																										
Back Focal Length :12.6mm(wide) 15.2 (tele)																																										
Mount: C-Mount																																										
Filter Thread: M35.5X0.5mm																																										
Field Of View(DxHxV)																																										
2/3"																																										
49.1°X40.2°X30.7(wide)	17.2°X13.9°X10.5°(tele)																																									



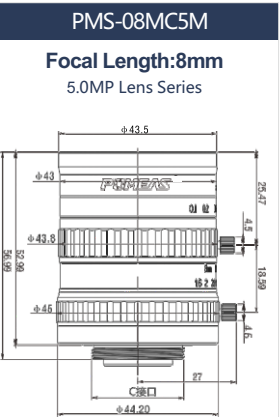
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 22.5 mm		
Iris Range : F1.4-11		
Focusing Range : 0.1m-∞		
Distortion : -0.44%@y = 5.5mm-∞		
Back Focal Length :13.6mm		
Mount: C-Mount		
Filter Thread :M30.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
22.1°X16.7°		



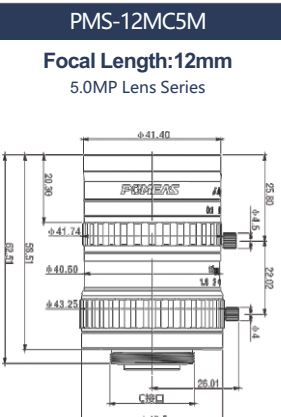
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 8 mm		
Iris Range : F1.6- F22		
Focusing Range : 0.1m-∞		
Distortion : -0.73%@y = 5.5mm		
Back Focal Length :12.44mm		
Mount: C-Mount		
Filter Thread :M40.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
55.8°X43.3°		



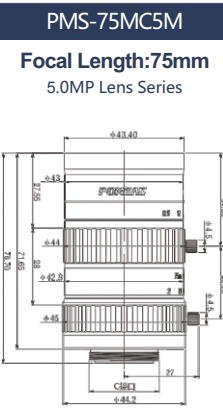
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 8 mm		
Iris Range : F1.6- F22		
Focusing Range : 0.1m-∞		
Distortion : -0.73%@y = 5.5mm		
Back Focal Length :12.44mm		
Mount: C-Mount		
Filter Thread :M40.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
55.8°X43.3°		



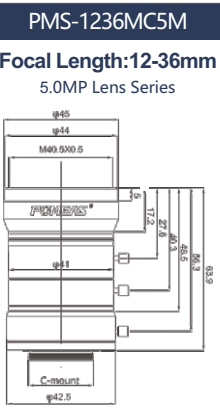
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 12 mm		
Iris Range : F1.6- F22		
Focusing Range : 0.1m-∞		
Distortion : -0.53%@y = 5.5mm		
Back Focal Length :12.42mm		
Mount: C-Mount		
Filter Thread :M37.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
39.8°X30.8°		



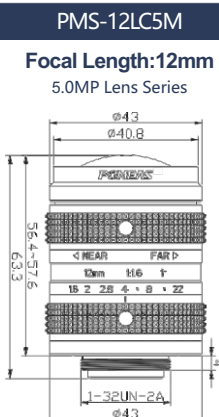
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 75 mm		
Iris Range : F2.0- F22		
Focusing Range : 0.9m-∞		
Distortion : -0.04%@y = 5.5mm		
Back Focal Length :13.76mm		
Mount: C-Mount		
Filter Thread :M40.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
6.7°X5.0°		



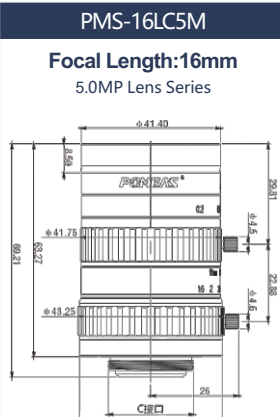
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 12-36 mm		
Iris Range : F2.8- F16		
Focusing Range : 0.15m-∞(wide)		
0.15m-∞(tede)		
Distortion : -3.4%@y = 5.5mm(wide)		
1.4%@y = 5.5mm(tede)		
Back Focal Length :18.93mm(wide)		
18.87mm(tede)		
Mount: C-Mount		
Filter Thread :M40.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
41.2°X31.2°(wide)	13.8°X10.4°(tede)	



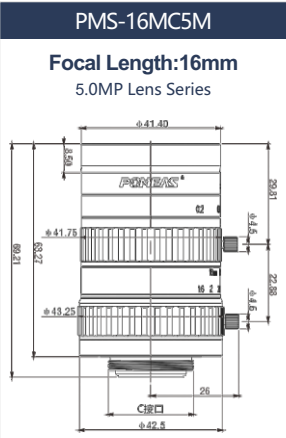
Unit: mm

Max.Sensor Size		
1"	12.8mm X 9.6mm	φ16mm
Focal Length (MM) : 12 mm		
Iris Range : F1.6- F22		
Focusing Range : 1m-∞		
Distortion : -0.04%@y = 8.0mm		
Back Focal Length :12.54mm		
Mount: C-Mount		
Filter Thread :M52.0X0.72mm		
Field Of View(DxHxV)		
1"	2/3"	
57.1°X44.1°	40.6°X30.9°	



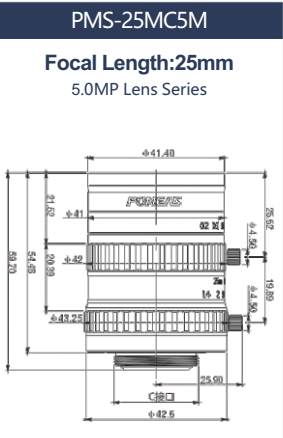
Unit: mm

Max.Sensor Size		
2/3"	12.8mm X 9.6mm	φ11mm
Focal Length (MM) : 16 mm		
Iris Range : F1.6- F22		
Focusing Range : 1m-∞		
Distortion : -3.73%@y = 8.0mm		
Back Focal Length :12.17mm		
Mount: C-Mount		
Filter Thread :M37.5X0.5mm		
Field Of View(DxHxV)		
1"	2/3"	
44.2°X33.5°	30.8°X23.2°	



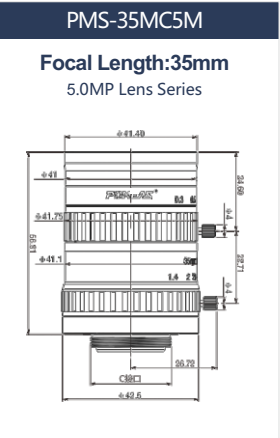
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 16mm		
Iris Range : F1.6-F22		
Focusing Range : 0.2m-∞		
Distortion : -0.07%@y = 5.5mm		
Back Focal Length :12.36mm		
Mount: C-Mount		
Filter Thread :M37.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
30.8°X23.4°		



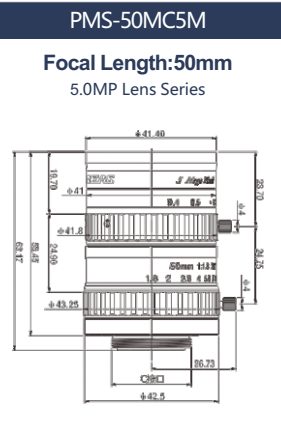
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 25mm		
Iris Range : F1.4-F22		
Focusing Range : 0.2m-∞		
Distortion : -0.19%@y = 5.5mm		
Back Focal Length :12.78mm		
Mount: C-Mount		
Filter Thread :M37.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
20.0°X15.0°		



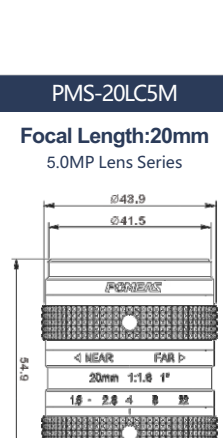
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 35mm		
Iris Range : F1.4-F22		
Focusing Range : 0.3m-∞		
Distortion : -0.19%@y = 5.5mm		
Back Focal Length :12.82mm		
Mount: C-Mount		
Filter Thread :M37.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
14.3°X10.8°		



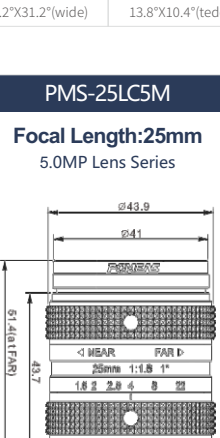
Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM) : 50mm		
Iris Range : F1.8-F22		
Focusing Range : 0.4m-∞		
Distortion : -0.03%@y = 5.5mm		
Back Focal Length :13.63mm		
Mount: C-Mount		
Filter Thread :M37.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
10.1°X7.6°		



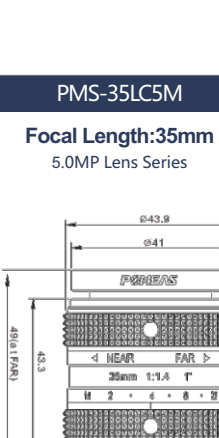
Unit: mm

Max.Sensor Size		
1"	12.8mm X 9.6mm	φ16mm
Focal Length (MM) : 20 mm		
Iris Range : F1.6- F22		
Focusing Range : 1m-∞		
Distortion : -1.82%@y = 8.0mm		
Back Focal Length :13.08mm		
Mount: C-Mount		
Filter Thread :M37.5X0.5mm		
Field Of View(DxHxV)		
1"	2/3"	
35.8°X27.2°	25.0°X18.8°	



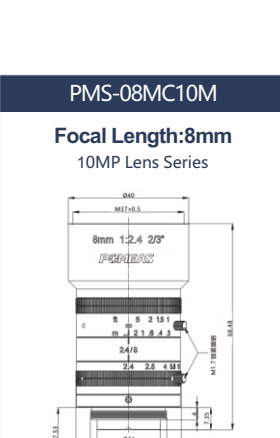
Unit: mm

Max.Sensor Size		
1"	12.8mm X 9.6mm	φ16mm
Focal Length (MM) : 25mm		
Iris Range : F1.6- F22		
Focusing Range : 1m-∞		
Distortion : -2.06%@y = 8.0mm		
Back Focal Length :12.69mm		
Mount: C-Mount		
Filter Thread :M37.5X0.5mm		
Field Of View(DxHxV)		
1"	2/3"	
29.0°X21.8°	20.0°X15.0°	



Unit: mm

Max.Sensor Size		
1"	12.8mm X 9.6mm	φ16mm
Focal Length (MM) : 35mm		
Iris Range : F1.6- F22		
Focusing Range : 1m-∞		
Distortion : 0.27%@y = 8.0mm		
Back Focal Length :12.83mm		
Mount: C-Mount		
Filter Thread :M39.0X0.5mm		
Field Of View(DxHxV)		
1"	2/3"	
18.2°X14.1°	12.9°X9.6°	

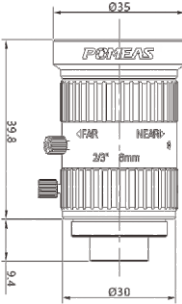


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 9.6mm	φ11mm
Focal Length (MM) : 8.0mm		
Iris Range : F2.4- F22		
Focusing Range : 0.25m-∞		
Distortion : -3.16%@y = 5.5mm		
Back Focal Length :10.3mm		
Mount: C-Mount		
Filter Thread :M37.0X0.5mm		
Field Of View(DxHxV)		
2/3"		
56.6°X44°		

PMS-08MC10M(A)

Focal Length:8mm
10MP Lens Series

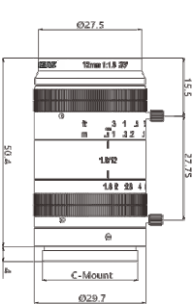


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 9.6mm	φ11mm
Focal Length (MM).: 8.0mm		
Iris Range : F2.8- 16		
Focusing Range : 0.15m-∞		
Distortion : -0.81%@y = 5.5mm		
Back Focal Length :10.7mm		
Mount: C-Mount		
Filter Thread : M32.7XP0.5mm		
Field Of View(DxHxV)		
2/3"		
58.5°x45.5°		

PMS-12MC10M(A)

Focal Length:12mm
10MP Lens Series

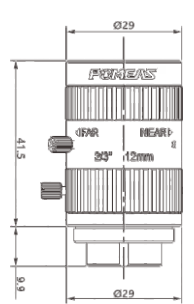


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 9.6mm	φ11mm
Focal Length (MM).: 12.0mm		
Iris Range : F1.8- F22		
Focusing Range : 0.1m-∞		
Distortion : -2.19%@y = 5.5mm		
Back Focal Length :15.1mm		
Mount: C-Mount		
Filter Thread : M30.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
40.9°x31°		

PMS-12MC10M(B)

Focal Length:12mm
10MP Lens Series

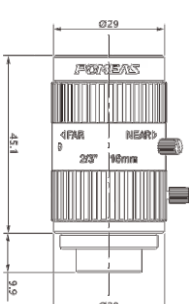


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM).: 12.0mm		
Iris Range : F1.8- 16		
Focusing Range : 0.15m-∞		
Distortion : 0.037%@y = 5.5mm		
Back Focal Length :8.43mm		
Mount: C-Mount		
Filter Thread : M27XP0.5mm		
Field Of View(DxHxV)		
2/3"		
40.3°x30.8°		

PMS-16MC10M(A)

Focal Length:16mm
10MP Lens Series

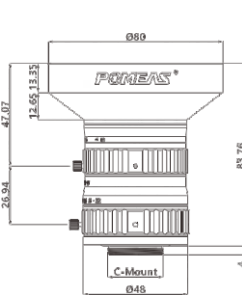


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM).: 16.0mm		
Iris Range : F2.0- 16		
Focusing Range : 0.15m-∞		
Distortion :0.29%@y = 5.5mm		
Back Focal Length :8.63mm		
Mount: C-Mount		
Filter Thread : M27XP0.5mm		
Field Of View(DxHxV)		
2/3"		
30.7°x23.3°		

PMS-12LC8M

Focal Length:12mm
10MP Lens Series

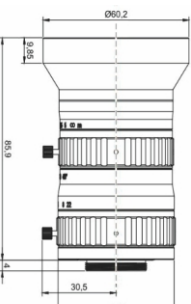


Unit: mm

Max.Sensor Size		
4/3"	17.6mm X 13.2mm	φ22mm
Focal Length (MM).: 12.0mm		
Iris Range : F2.0- F22		
Focusing Range : ----		
Distortion : -2.4%@y = 11.0mm		
Back Focal Length :18.93mm		
Mount: C-Mount		
Filter Thread : M77X0.75mm		
Field Of View(DxHxV)		
4/3"	1"	
75.5°x61.1°	57.3°x44.2°	

PMS-16LC8M

Focal Length:16mm
12MP Lens Series

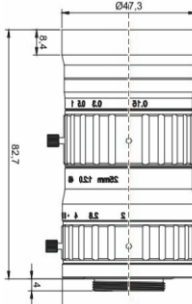


Unit: mm

Max.Sensor Size		
4/3"	17.6mm X 13.2mm	φ22mm
Focal Length (MM).: 16mm		
Iris Range : F2.0- F22		
Focusing Range : 0.1m-∞		
Distortion : -1.93%@y = 11.5mm		
Back Focal Length :21mm		
Mount: C-Mount		
Filter Thread : M58.0X0.75mm		
Field Of View(DxHxV)		
4/3"	1"	2/3"
61.0°x47.2°	44.2°x33.6°	31.0°x23.4°

PMS-25C8M

Focal Length:25mm
12MP Lens Series

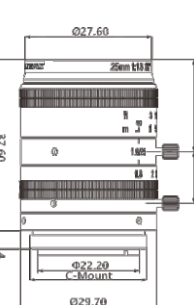


Unit: mm

Max.Sensor Size		
4/3"	17.6mm X 13.2mm	φ22mm
Focal Length (MM).: 25mm		
Iris Range : F2.0- F22		
Focusing Range : 0.15m-∞		
Distortion : -064%@y = 11.5mm		
Back Focal Length :22mm		
Mount: C-Mount		
Filter Thread : M46.0XP0.75mm		
Field Of View(DxHxV)		
4/3"	1"	2/3"
40.6°x31.0°	28.8°x21.8°	20.0°x15.1°

PMS-25MC10M(A)

Focal Length:25mm
10MP Lens Series

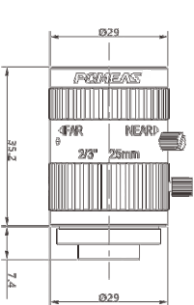


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM).: 25.0mm		
Iris Range : F1.8- F22		
Focusing Range : 0.15m-∞		
Distortion : -0.72%@y = 5.5mm		
Back Focal Length :12.7mm		
Mount: C-Mount		
Filter Thread : M30.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
20.1°x15.1°		

PMS-25UC20M(A)

Focal Length:25mm
10MP Lens Series

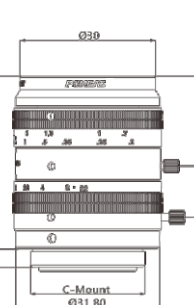


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM).: 25.0mm		
Iris Range : F2.8- 16		
Focusing Range : 0.15m-∞		
Distortion : -0.016%@y = 5.5mm		
Back Focal Length :10.31mm		
Mount: C-Mount		
Filter Thread : M27XP0.5mm		
Field Of View(DxHxV)		
2/3"		
19.9°x15.0°		

PMS-35UC20M(A)

Focal Length:35mm
10MP Lens Series

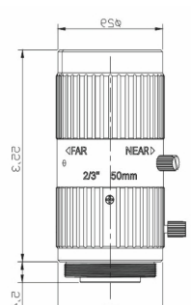


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM).: 35.0mm		
Iris Range : F2.0- F22		
Focusing Range : 0.2m-∞		
Distortion : -0.16%@y = 5.5mm		
Back Focal Length :13mm		
Mount: C-Mount		
Filter Thread : M30.5X0.5mm		
Field Of View(DxHxV)		
2/3"		
14.35°x10.8°		

PMS-50UC20M-H

Focal Length:50mm
10MP Lens Series

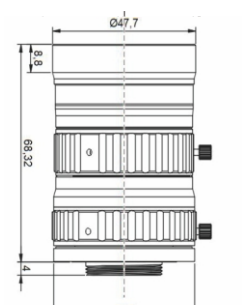


Unit: mm

Max.Sensor Size		
2/3"	8.8mm X 6.6mm	φ11mm
Focal Length (MM).: 50.0mm		
Iris Range : F2.8- 16		
Focusing Range : 0.30m-∞		
Distortion : -0.094%@y = 5.5mm		
Back Focal Length :14.24mm		
Mount: C-Mount		
Filter Thread : M27XP0.5mm		
Field Of View(DxHxV)		
2/3"		
10.08°x7.57°		

PMS-35LC8M

Focal Length:35mm
12MP Lens Series

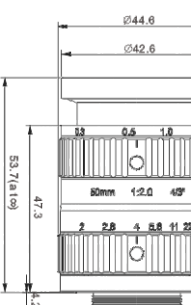


Unit: mm

Max.Sensor Size		
4/3"	17.6mm X 13.2mm	φ22mm
Focal Length (MM).: 35.0mm		
Iris Range : F2.0- F22		
Focusing Range : 0.2m-∞		
Distortion : -0.52%@y = 11.5mm		
Back Focal Length :18mm		
Mount: C-Mount		
Filter Thread : M46.0XP0.75mm		
Field Of View(DxHxV)		
4/3"	1"	2/3"
29.6°x22.4°	20.8°x15.7°	14.4°x10.8°

PMS-50LC8M

Focal Length:50mm
12MP Lens Series



Unit: mm

Max.Sensor Size		
4/3"	17.6mm X 13.2mm	φ22mm
Focal Length (MM).: 50.0mm		
Iris Range : F2.0- F22		
Focusing Range : 0.30m-∞		
Distortion : -0.14%@y = 11.0mm		
Back Focal Length :20.29mm		
Mount: C-Mount		
Filter Thread : M40.5X0.5mm		
Field Of View(DxHxV)		
4/3"	1"	2/3"
20.9°x15.7°	14.6°x11.0°	10.1°x7.6°

XC Series Machine Vision Lens Parameter												
Code	Resolution	Max. Sensor Size	Focal Length	Iris Range	Focusing Range	Field Of view (HxV)			Distortion	Back Focal Length	Mount	FilterThread
						4/3"	1"	2/3"				
PMS-12XC12M	12.0MP	4/3" (23mm)	12mm	F2.0~F22	0.15m~∞	75.6°x61.2°	57.36°x44.3°	-	-2.05%@y=11.5mm	18.8mm	C-Mount	M77.0xP0.75mm
PMS-16XC12M			16mm	F2.0~F22	0.1m~∞	61.0°x47.3°	44.3°x33.6°	-	-1.93%@y=11.5mm	21mm	C-Mount	M58.0xP0.75mm
PMS-25XC12M			25mm	F2.0~F22	0.15m~∞	40.6°x31.1°	28.9°x21.8°	-	-0.64%@y=11.5mm	22mm	C-Mount	M46.0xP0.75mm
PMS-35XC12M			35mm	F2.0~F22	0.2m~∞	29.7°x22.5°	20.8°x15.8°	-	-0.52%@y=11.5mm	18mm	C-Mount	M46.0xP0.75mm
PMS-50XC12M			50mm	F2.0~F22	0.3m~∞	21.0°x15.8°	14.7°x11.1°	-	-0.13%@y=11.5mm	20mm	C-Mount	M46.0xP0.75mm

JC Series Machine Vision Lens Parameter												
Code	Resolution	Max. Sensor Size	Focal Length	Iris Range	Focusing Range	Field Of view (HxV)			Distortion	Back Focal Length	Mount	FilterThread
						1/1.8"	2/3"	1/2"				
PMS-45JC10M	10.0MP	1/1.8"	4.5mm	F2.8-16	0.1m-∞	89.0°x81.9°x52.3°	—	89.0°x81.9°x52.3°	-1.2%@y=4.5mm 1.08%@y=4.0mm	8.4mm	C-Mount	—

PMS-12XC12M

Focal Length:12mm
12MP Lens Series

The technical drawing illustrates the PMS-12XC12M lens with the following dimensions and features:

- Top Flange:** Outer diameter of 79.8 mm, height of 12.1 mm.
- Body:** Total height of 68.0 mm.
- Mounting Flange:** Diameter of 30.15 mm, thickness of 4.0 mm.
- Bottom Flange:** Outer diameter of 48 mm.
- Internal Features:** The lens barrel includes markings for '1-2', '3', and '4' on the left side, and a central optical axis with a dashed line.

Unit: mm

Max.Sensor Size		
4/3"	17.6mm X 13.2mm	φ22mm

Focal Length (MM):12.0mm

Iris Range : F2.0- F22

Focusing Range : 0.15m-∞

Distortion : -2.05%@y = 11.5mm

Back Focal Length :18.8mm

Mount: C-Mount

Filter Thread :M77.0XP0.75mm

Field Of View(DxHxV)	
4/3"	1"
75.6°x61.2°	57.36°x44.3°

[illegible]

PMS-25XC12M

Focal Length:25mm
12MP Lens Series

Technical drawing of the PMS-25XC12M lens. The drawing shows a side view of the lens assembly with various dimensions and labels. The top diameter is 47.3 mm. The total height is 76.2 mm. The mounting flange has a diameter of 47 mm. The lens is labeled 'PMS-25XC12M'. The drawing also shows the lens elements and the C-Mount interface. The unit is mm.

Unit: mm

Max.Sensor Size		
4/3"	17.6mm X 13.2mm	φ22mm
Focal Length (MM).:25.0mm		
Iris Range : F2.0- F22		
Focusing Range : 0.15m-∞		
Distortion : -0.66%@y = 11.0mm		
Back Focal Length :22.43mm		
Mount: C-Mount		
Filter Thread :M46.0X0.75mm		
Field Of View(DxHxV)		
4/3"	1"	2/3"
40.6°x31.0°	28.8°x21.8°	20.0°x15.1°

[illegible]

PMS-50XC12M

Focal Length:50mm
12MP Lens Series

The diagram shows a side view of the camera module with the following dimensions and features:

- Overall width: Ø48
- Top section height: 7.3
- Main body height: 29
- Bottom section height: 3
- Bottom width: Ø48
- Internal components labeled include "PMS-EAS", "F", "11 12", and "O".

Unit: mm

Max.Sensor Size		
4/3"	17.6mm X 13.2mm	φ22mm
Focal Length (MM). :50.0mm		
Iris Range : F2.0- F22		
Focusing Range: 0.3m-∞		
Distortion : -0.13% @y = 11.5mm		
Back Focal Length :20mm		
Mount:C-Mount		
Filter Thread:M46.0X P0.75mm		
Field Of View(DxHxV)		
4/3"		1"
21.0°X15.8°		14.7°X11.1°

PMS-45JC10M

Focal Length: 4.5mm
10MP Lens Series

Unit: mm

Max.Sensor Size	
1/1.8"	φ9mm
Focal Length (MM): 4.5mm	
Iris Range: F2.8- 16	
Focusing Range: 0.1m-∞	
Distortion: -1.2% @ y= 4.5mm	
Back Focal Length :8.4mm	
Mount: C-Mount	
Filter Thread: ----	
Field Of View(DxHxV)	
1/1.8"	1/2"
89.0°x81.9°x52.3°	89.0°x81.9°x52.3°



Low Distortion Machine Vision Lens

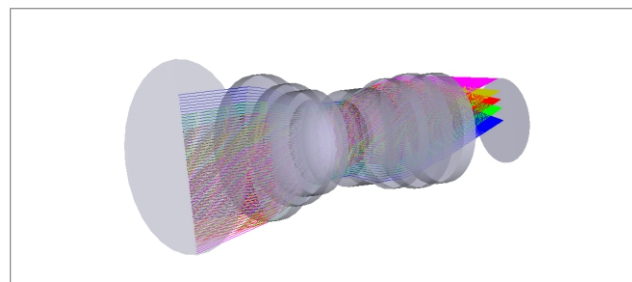
Professional optical path design, low distortion imaging,
uniform distribution of center and edge light.

Product Parameter Table													
Code	Max. Sensor Size	Image Size	Focal Length	Iris Range	Resolution	Distortion Rate	Optical Back Focus	Mechanical Back Focus	Focusing range	Field Of View	Object Size	Operating Method	Mount
PMS-12VC20M-C	1.1"	17.6mm	12mm	F2.8~F16	2000万	-1.05%	14.45mm	10.63mm	0.1m~∞	66.9°x56°x43.3°	230mmX184mmX137mm	manually operated	C
PMS-12VC20M			12mm	F2.8~F22		-0.85%	10.6mm	—	0.1m~∞	70.6°x59.2°x45.4°	166.4mmX133.1mmX99.8mm		
PMS-16VC20M-C			16mm	F2.8~F16		-1%	9.67mm	9.5mm	0.15m~∞	56.3°x47.7°x33.7°	181mmX148.9mmX101.7mm		
PMS-16VC20M			16mm	F2.8		-0.73%	11.2mm	—	—	58.6°x46.8°x35.2°	—		
PMS-25VC20M-C			5mm	F2.8~F16		-0.50%	12.7mm	11.3mm	0.1m~∞	32.7°x26.4°x19.9°	94.4mmX75.4mmX56.5mm		
PMS-25VC20M			25mm	F2.8		-0.59%	12.6mm	—	—	39.4°x31.5°x23.6°	—		
PMS-35VC20M			35mm	F2.8~F16		-0.30%	10.52mm	8.9mm	0.2m~∞	23.33°x19.33°x13.32°	90.8mmX74.81mmX51.18mm		
PMS-35VC20M-C			35mm	F2.8		-0.37%	12.9mm	—	—	28.2°x22.5°x16.9°	—		
PMS-50VC20M-C			50mm	F2.8~F16		-0.05%	10.3mm	10.08mm	0.25m~∞	18.6°x15°x11.2°	69mmX55mmX41mm		
PMS-50VC20M			50mm	F2.8		-0.06%	21.3mm	—	—	19.9°x15.9°x11.9°	—		

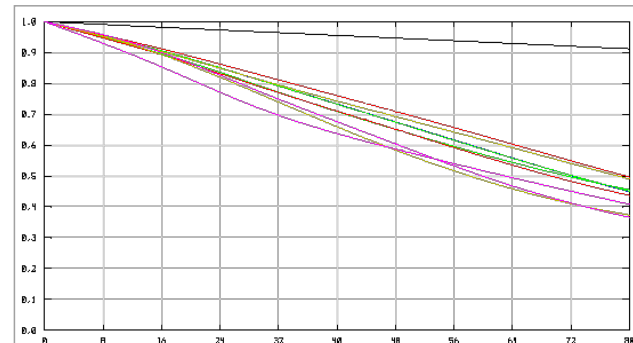
PRODUCT ADVANTAGES

- 1.Support MP/5MP/20MP 1.1" camera.
- 2.Focus and iris locking screw to ensure stable focusing.
- 3.Low distortion, sharp image.
- 4.Compact structure, excellent optical performance.

Optical pathway diagram



MTF Curve

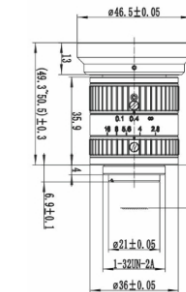


APPLICATION FIELDS

Application: widely used in machine vision, automatic production and electronic communication field.

PMS-12VC20M-C

Focal Length:12mm
20.0MP Lens Series

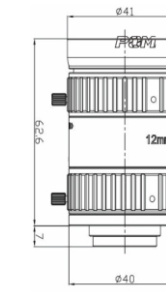


Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	12mm
Iris Range	F2.8–F16
Resolution	20MP
Distortion Rate	–1.05%
Optical Back Focus	14.45mm
Mechanical Back Focus	10.63mm
Focusing Range	0.1m–∞
Operating Method	manually operated
Mount	C
Field of View(DxHxV)	
66.9° X56° X43.3°	
Object Size(DxHxV)	
230mmX184mmX137mm	

PMS-12VC20M

Focal Length:12mm
20.0MP Lens Series

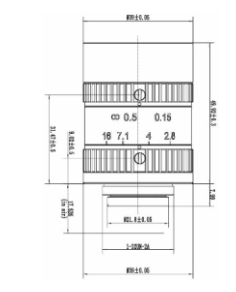


Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	12mm
Iris Range	F2.8-F22
Resolution	20MP
Distortion Rate	-0.85%
Optical Back Focus	10.6mm
Mechanical Back Focus	\
Focusing Range	0.1m-∞
Operating Method	manually operated
Mount	C
Field of View(DxHxV)	
70.6° X59.2° X45.4°	
Object Size(DxHxV)	
166.4mmX133.1mmX99.8mm	

PMS-16VC20M-C

Focal Length:16mm
20.0MP Lens Series

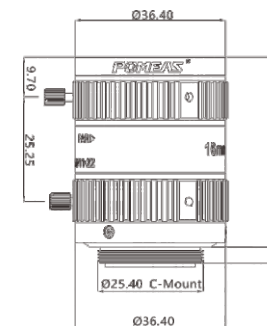


Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	16mm
Iris Range	F2.8-F16
Resolution	20MP
Distortion Rate	-1%
Optical Back Focus	9.67mm
Mechanical Back Focus	9.5mm
Focusing Range	0.15m-∞
Operating Method	manually operated
Mount	C
Field of View(DxHxV)	
56.3° X47.7° X33.7°	
Object Size(DxHxV)	
181mmX148.9mmX101.7mm	

PMS-16VC20M

Focal Length:16mm
20.0MP Lens Series

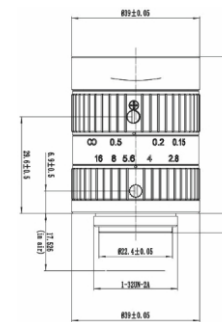


Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	16mm
Iris Range	F2.8
Distortion Rate	-0.73%
Optical Back Focus	11.20mm
Mechanical Back Focus	\
Focusing Range	\
Mount	C
Field of View(DxHxV)	
58.6° X46.8° X35.2°	
Object Size(DxHxV)	
M34 × 0.5mm	

PMS-25VC20M

Focal Length:25mm
20.0MP Lens Series

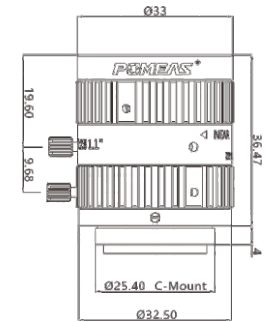


Unit: mm

Max. Sensor Size	11"
Image Size	17.6mm
Focal Length	25mm
Iris Range	F2.8-F16
Distortion Rate	0.50%
Optical Back Focus	12.7mm
Mechanical Back Focus	11.3mm
Focusing Range	0.1m-∞
Mount	C
Field of View(DxHxV)	
32.7° X26.4° X19.9°	
Object Size(DxHxV)	
94.4mmX75.4mmX56.5mm	

PMS-25VC20M-C

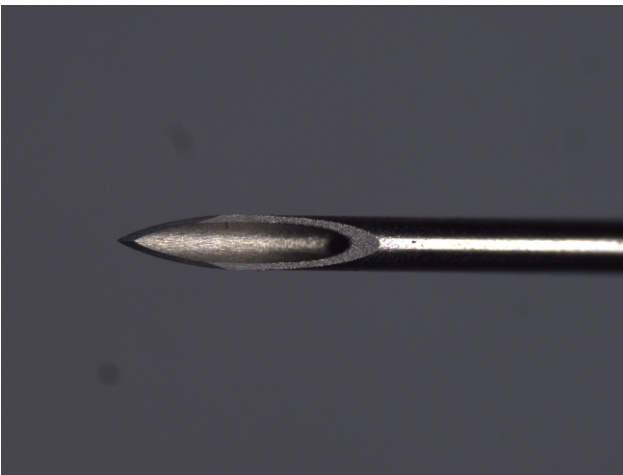
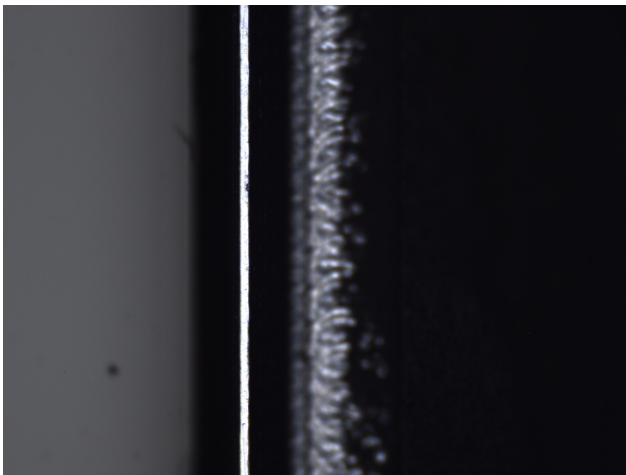
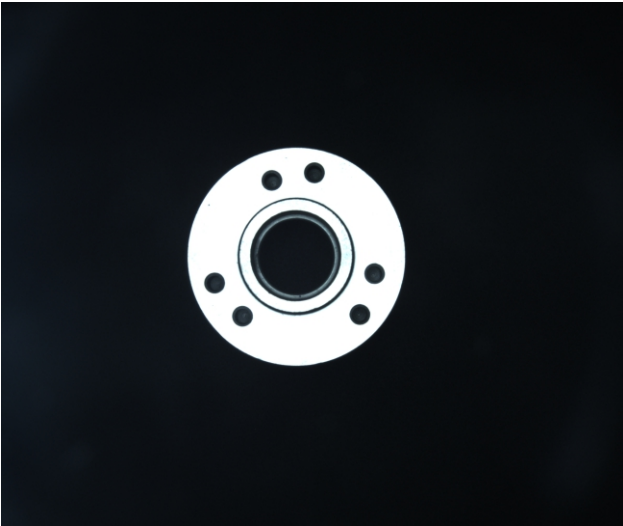
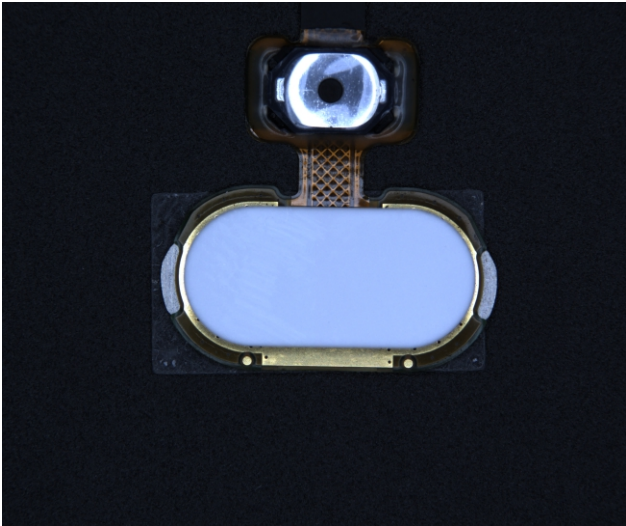
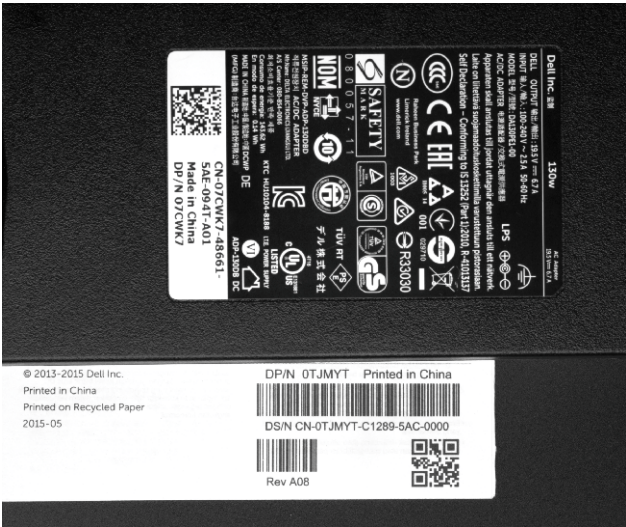
Focal Length:25mm
20.0MP Lens Series



Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	25mm
Iris Range	F2.8
Distortion Rate	-0.59%
Optical Back Focus	12.6mm
Mechanical Back Focus	\
Focusing Range	\
Mount	C
Field of View(DxHxV)	
39.4° X31.5° X23.6°	
Object Size(DxHxV)	
M30.5 X 0.5mm	

PRODUCT CASES



PMS-35VC20M

Focal Length:35mm
20.0MP Lens Series

Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	35mm
Iris Range	F2.8-F16
Distortion Rate	0.30%
Optical Back Focus	10.52mm
Mechanical Back Focus	8.9mm
Focusing Range	0.2m-∞
Mount	C
Field of View(DxHxV)	
23.33° X19.33° X13.32°	
Object Size(DxHxV)	
90.8mmX74.81mmX51.18mm	

PMS-35VC20M-C

Focal Length:35mm
20.0MP Lens Series

Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	35mm
Iris Range	F2.8
Distortion Rate	-0.37%
Optical Back Focus	12.9mm
Mechanical Back Focus	\
Focusing Range	\
Mount	C
Field of View(DxHxV)	
28.2° X22.5° X16.9°	
Object Size(DxHxV)	
M30.5 x 0.5mm	

PMS-50VC20M-C

Focal Length:50mm
20.0MP Lens Series

Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	50mm
Iris Range	F2.8
Distortion Rate	-0.06%
Optical Back Focus	21.3mm
Mechanical Back Focus	\
Focusing Range	\
Mount	C
Field of View(DxHxV)	
19.9° X15.9° X11.9°	
Object Size(DxHxV)	
M37 x 0.5mm	

PMS-50VC20M

Focal Length:50mm
20.0MP Lens Series

Unit: mm

Max. Sensor Size	1.1"
Image Size	17.6mm
Focal Length	50mm
Iris Range	F2.8-F16
Distortion Rate	0.05%
Optical Back Focus	10.3mm
Mechanical Back Focus	10.08mm
Focusing Range	0.25m-∞
Mount	C
Field of View(DxHxV)	
8.6° X15° X11.2°	
Object Size(DxHxV)	
69mmX55mmX41mm	



4K Line Scan Series Product Parameter Table										
Code	Max. Sensor Size	Image Size	Base Multiplier	Iris Range	Focal Length (mm)	Distortion	Relative Illumination	Working distance (mm)	Conjugate distance (mm)	Mount
PMS-LLA003-2540M	φ32	7um	0.015X	4.0~16	25	<0.1%	65%	1740	1826.4	M42/M72
			0.03X					870	952	
			0.05X					520	607.3	
PMS-LLA015-2540M			0.125X	4.0~16	25	<0.15%	65%	187	279.2	M42/M72/F□
			0.15X					158	246	
			0.175X					130	223.3	
PMS-LLA05-3528M			0.3X	2.8~16	35	<0.03%	65%	123	202	M42/M72/F□
			0.5X					84	169	
			0.7X					63	155	
PMS-LLA02-3528M			0.15X	2.8~16	35	<0.05%	65%	245	318	M42/M72/F□
			0.2X					190	264	
			0.25X					152	229	
PMS-LLA01-3528M			0.05X	2.8~16	35	<0.1%	65%	700	769	M42/M72/F□
			0.1X					350	421	
			0.15X					240	312	

PRODUCT ADVANTAGES

- ◆ Multiple specification options 4K/8K/16K three specifications can be selected;
- ◆ Ultra-low distortion;
- ◆ Shockproof design;
- ◆ Support 4K/8K/16K line scan camera.

APPLICATION FIELDS

Widely used in machine vision production automation and other fields.

PMS-LLA003-2540M					PMS-LLA015-2540M					PMS-LLA05-3528M				
Focal Length:25mm					Focal Length:25mm					Focal Length:35mm				
4K Lens Series					4K Lens Series					4K Lens Series				
Unit: mm					Unit: mm					Unit: mm				
Max.Sensor Size(mm)		φ32			Max.Sensor Size(mm)		φ32			Max.Sensor Size(mm)		φ32		
Image Size		7um			Image Size		7um			Image Size		7um		
Base Multiplier		0.015X	0.03X	0.05X	Base Multiplier		0.125X	0.15X	0.175X	Base Multiplier		0.3X	0.5X	0.7X
Iris Range		4.0~16			Iris Range		4.0~16			Iris Range		2.8~16		
Focal Length (mm)		25			Focal Length (mm)		25			Focal Length (mm)		35		
Distortion		<0.1%			Distortion		<0.15%			Distortion		<0.03%		
Relative Illumination		65%			Relative Illumination		65%			Relative Illumination		65%		
Working distance(mm)		1740	870	520	Working distance(mm)		187	158	130	Working distance(mm)		123	84	63
Conjugate distance (mm)		1826.4	952	607.3	Conjugate distance (mm)		279.2	246	223.3	Conjugate distance (mm)		202	169	155
Mount		M42/M72			Mount		M42/M72/F			Mount		M42/M72/F		

PMS-LLA02-3528M					PMS-LLA01-3528M				
Focal Length:35mm					Focal Length:35mm				
4K Lens Series					4K Lens Series				
Unit: mm					Unit: mm				
Max.Sensor Size(mm)		φ32			Max.Sensor Size(mm)		φ32		
Image Size		7um			Image Size		7um		
Base Multiplier		0.15X	0.2X	0.25X	Base Multiplier		0.05X	0.1X	0.15X
Iris Range		2.8~16			Iris Range		2.8~16		
Focal Length (mm)		35			Focal Length (mm)		35		
Distortion		<0.05%			Distortion		<0.1%		
Relative Illumination		65%			Relative Illumination		65%		
Working distance(mm)		245	190	152	Working distance(mm)		700	350	240
Conjugate distance (mm)		318	264	229	Conjugate distance (mm)		769	421	312
Mount		M42/M72/F			Mount		M42/M72/F		

Code	Max. Sensor Size	Image Size	Base Multiplier	Iris Range	Focal Length (mm)	Distortion	Relative Illumination	Working distance (mm)	Conjugate distance (mm)	Mount
PMS-LLB005-5040M	φ62	5um/7um	0.025X	4.0~22	50	<0.05%	60%	2000	2102	M42/M58/M72/F
			0.05X					1025	1133	
			0.07X					735	839.2	
PMS-LLB01-5040M		5um/7um	0.07X		50	<0.05%	60%	735	839.2	M42/M58/M72/F
			0.1X					515	626	
			0.13X					405	512.4	
PMS-LLB02-5040M		5um/7um	0.15X		50	<0.05%	60%	350	458.6	M42/M58/M72/F
			0.2X					265	381	
			0.25X					220	333.4	
PMS-LLB01-6040M	φ64	7um	0.03X	60	<0.05%	60%	2050	2182	M42/M58/M72/F	
			0.1X				635	723		
			0.18X				370	462		
PMS-LLB025-8040M		5um/7um	0.2X	80	<0.02%	80%	470	614	M72/F	
			0.25X				385	533		
			0.35X				295	451		
PMS-LLB05-8040M		5um/7um	0.35X	80	<0.05%	85%	293	446	M72/F	
			0.5X				225	391		
			0.63X				192	368		
PMS-LLB075-8040M		5um/7um	0.63X	80	<0.05%	90%	190	365	M72/F	
			0.75X				170	354		
			0.9X				153	349		

PMS-LLB005-5040M

Focal Length:50mm

8K Lens Series

The technical drawing includes a front view on the left showing the lens elements and a side view on the right showing the mechanical dimensions. Key dimensions labeled include: total length 115.5mm, mounting flange diameter 47mm, mounting flange thickness 12mm, front flange diameter 67mm, front flange thickness 12mm, and a central mounting hole diameter of 21mm. Various internal components are labeled in Chinese, such as '前组镜片' (front lens group), '光圈' (aperture), '后组镜片' (rear lens group), and '镜筒' (barrel).

Unit: mm

Max.Sensor Size(mm)	φ62		
Image Size	5um/7um		
Base Multiplier	0.025X	0.05X	0.07X
Iris Range	4.0~22		
Focal Length (mm)	50		
Distortion	<0.05%		
Relative Illumination	60%		
Working distance(mm)	2000	1025	735
Conjugate distance (mm)	2102	1133	839.2
Mount	M42/M58/M72/F		

PMS-LLB01-5040M

Focal Length:50mm

8K Lens Series

The technical drawing includes a front view on the left showing concentric circles for the lens elements and a central mounting hole. The side view on the right shows the lens profile with various dimensions: total length 91.65mm, mounting flange diameter 65mm, mounting flange thickness 6mm, front element diameter 42mm, front element thickness 12.5mm, internal element diameter 30mm, internal element thickness 12.5mm, rear element diameter 42mm, rear element thickness 12.5mm, and a rear flange with a diameter of 42mm and a thickness of 24.2mm. A label '光學玻璃' (Optical Glass) points to the internal elements.

Unit: mm

Max.Sensor Size(mm)	φ62		
Image Size	5um/7um		
Base Multiplier	0.07X	0.1X	0.13X
Iris Range	4.0~22		
Focal Length (mm)	50		
Distortion	<0.05%		
Relative Illumination	60%		
Working distance(mm)	735	515	405
Conjugate distance (mm)	839.2	626	512.4
Mount	M42/M58/M72/F		

[illegible]

PMS-LLB01-6040M

Focal Length:60mm

8K Lens Series

Unit: mm

Max.Sensor Size(mm)

φ64

Image Size

7um

Base Multiplier

0.03X

0.1X

0.18X

Iris Range

4.0~22

Focal Length (mm)

60

Distortion

<0.05%

Relative Illumination

60%

Working distance(mm)

2050

635

370

Conjugate distance (mm)

2182

723

462

Mount

M42/M58/M72/F

PMS-LLB025-8040M

Focal Length: 80mm

8K Lens Series

Unit: mm

Max.Sensor Size(mm)

φ64

Image Size

5um/7um

Base Multiplier

0.2X

0.25X

0.35X

Iris Range

4.0~16

Focal Length (mm)

80

Distortion

<0.02%

Relative Illumination

80%

Working distance(mm)

470

385

295

Conjugate distance (mm)

614

533

451

Mount

M72/F

PMS-LLB075-8040M

Focal Length:80mm

8K Lens Series

Unit: mm

Max.Sensor Size(mm)	φ64		
Image Size	5um/7um		
Base Multiplier	0.63X	0.75X	0.9X
Iris Range	4.0~16		
Focal Length (mm)	80		
Distortion	<0.05%		
Relative Illumination	90%		
Working distance(mm)	190	170	153
Conjugate distance (mm)	365	354	349
Mount	M72/F		

PMS-LLB05-8040M

Focal Length:80mm

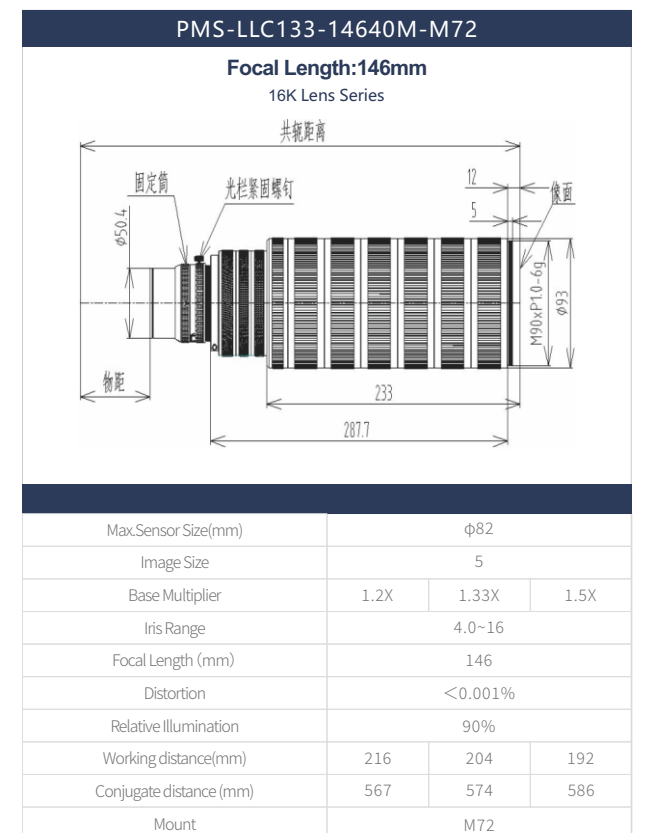
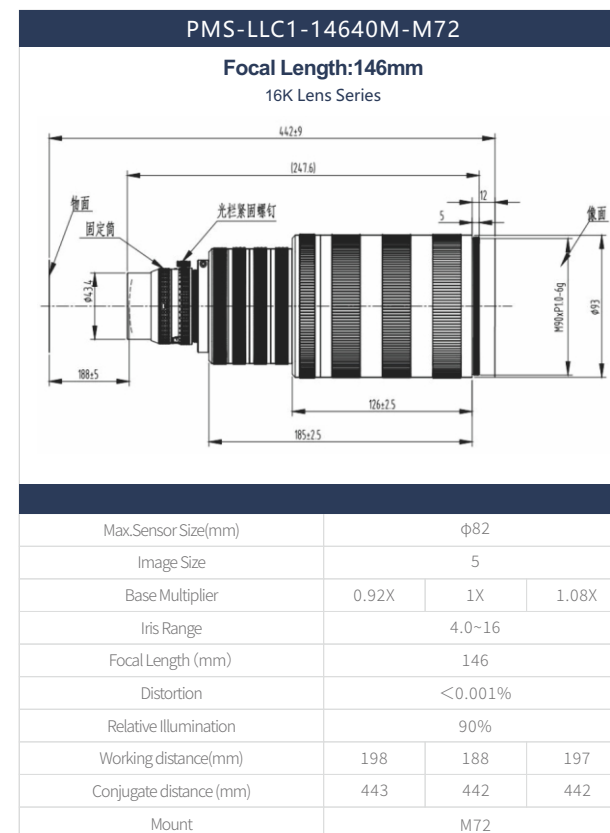
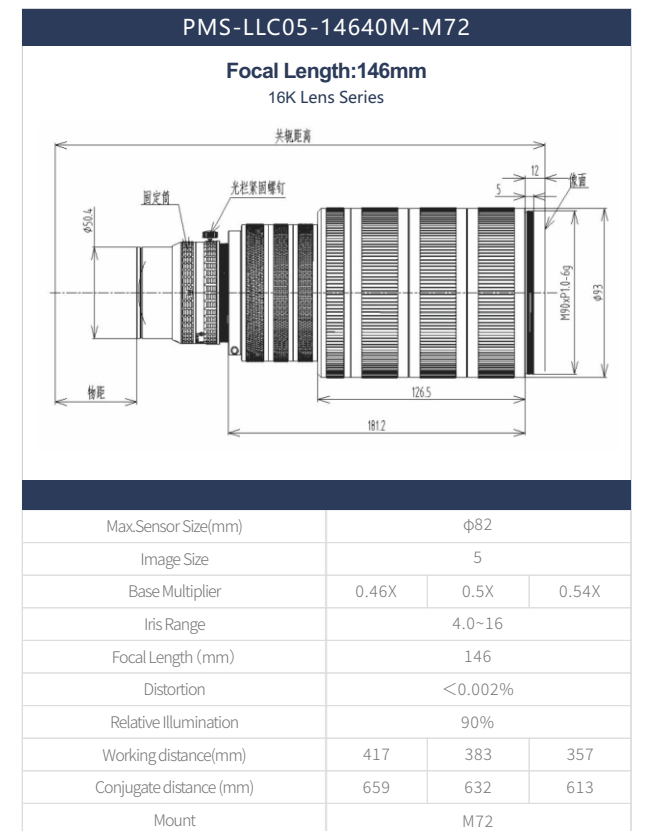
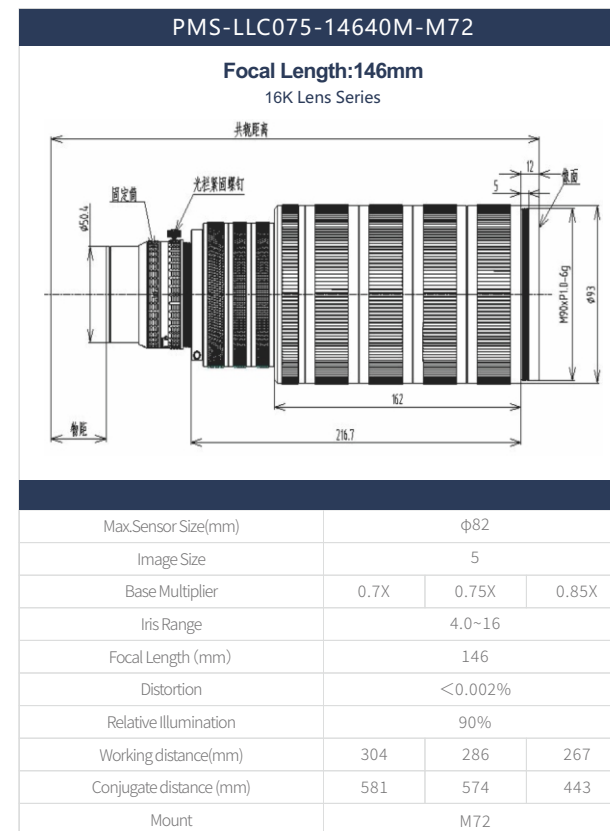
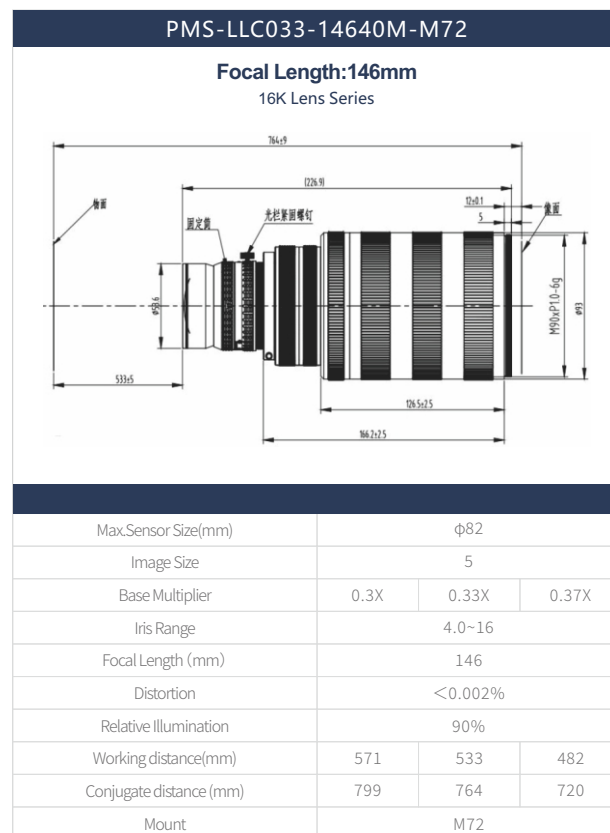
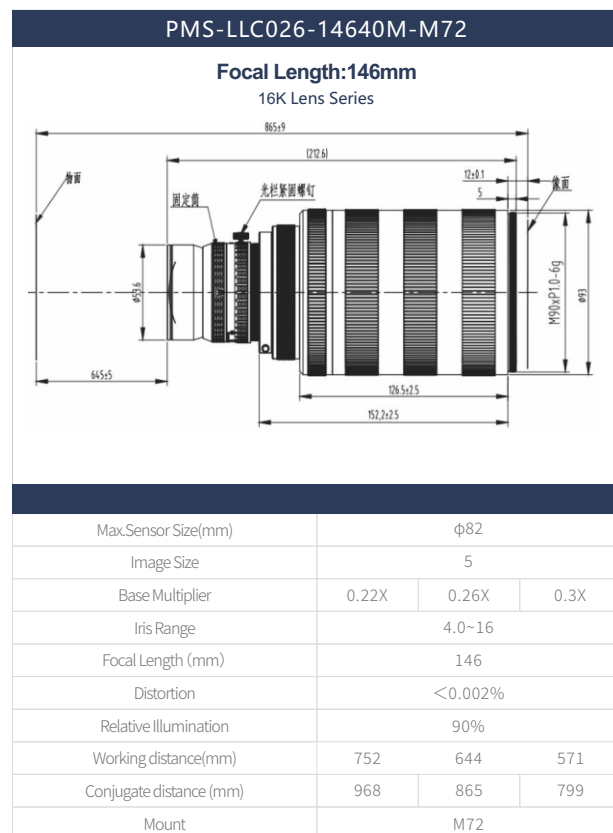
8K Lens Series

The technical drawing includes a front view showing the lens barrel with a diameter of 67.5mm and a mounting flange diameter of 75mm. The side view shows a total length of 140±5.0mm. Detailed views of the lens elements show a diameter of 11.0mm and a thickness of 1.2±0.1mm. The lens is labeled with 'PMS' and '8K'.

Unit: mm

Max.Sensor Size(mm)	φ64		
Image Size	5um/7um		
Base Multiplier	0.35X	0.5X	0.63X
Iris Range	4.0~16		
Focal Length (mm)	80		
Distortion	<0.05%		
Relative Illumination	85%		
Working distance(mm)	293	225	192
Conjugate distance (mm)	446	391	368
Mount	M72/F		

16K Line Scan Series Product Parameter Table										
Code	Max. Sensor Size	Image Size	Base Multiplier	Iris Range	Focal Length (mm)	Distortion	Relative Illumination	Working distance (mm)	Conjugate distance (mm)	Mount
PMS-LLC026-14640M-M72	φ82	5	0.22X	4.0~16	146	<0.002%	90%	752	968	M72
PMS-LLC033-14640M-M72			0.26X					644	865	
			0.3X					571	799	
		5	0.3X			571		799		
0.33X			533			764				
0.37X			482			720				
PMS-LLC05-14640M-M72		5	0.46X			417		659		
			0.5X			383		632		
			0.54X			357		613		
PMS-LLC075-14640M-M72		5	0.7X			304		581		
			0.75X			286		574		
			0.85X			267		443		
PMS-LLC1-14640M-M72		5	0.92X			198		443		
			1X			188		442		
			1.08X			197		442		
PMS-LLC133-14640M-M72		5	1.2X			216		567		
			1.33X			204		574		
			1.5X			192		586		
PMS-LLC2-14640M-M72	5	1.75X	179	606						
		2.0X	632	632						
		2.25X	690	690						
PMS-LLC3-14640M-M72	10	2.7X	157	717						
		3.0X	150	764						
		3.5X	144	826						



PRODUCT CASES

PMS-LLC2-14640M-M72

Focal Length:146mm
16K Lens Series

Max.Sensor Size(mm)	φ82		
Image Size	5		
Base Multiplier	1.75X	2.0X	2.25X
Iris Range	4.0~16		
Focal Length (mm)	146		
Distortion	<0.001%		
Relative Illumination	90%		
Working distance(mm)	179	632	690
Conjugate distance (mm)	606	632	690
Mount	M72		

PMS-LLC3-14640M-M72

Focal Length:146mm
16K Lens Series

Max.Sensor Size(mm)	φ82		
Image Size	10		
Base Multiplier	0.27X	3.0X	3.5X
Iris Range	4.0~16		
Focal Length (mm)	146		
Distortion	<0.002%		
Relative Illumination	90%		
Working distance(mm)	157	150	144
Conjugate distance (mm)	717	764	826
Mount	M72		

