

computar[®]

MPX SERIES

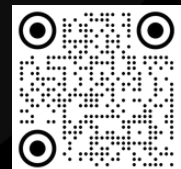
MACHINE VISION LENSES

2/3" 16MP



THE NEW STANDARD IN HIGH-RESOLUTION MACHINE VISION LENSES

- ✓ 10G anti-vibration & 10G shock-resistant design for harsh inspection environments
- ✓ Fully compatible with 2 μ m or less pixel size
- ✓ The floating mechanism enables high performance from close-up to long-distance
- ✓ Compatible with IMX536(546/566), IMX537(547/567), IMX676/IMX226, GMAX2509/GMAX2505, and AR2020
- ✓ Precise focus adjustment with a focus rotation angle is 3x wider than standard lenses
- ✓ Adoption of click-type iris mechanism
- ✓ Ruggedized mechanical design minimizes image aberrations from shock and vibration



computar.com/mpx

computar® MPX SERIES 2/3" 16 MP

M0528-MPX						M0828-MPX							
Focal Length		5.5mm						8mm					
Max. Aperture Ratio		1:2.8						1:2.8					
Max. Image Format		φ 11.8mm						φ 11.8mm					
Operation Range	Iris	F2.8 - F16.0						F2.8 - F16.0					
	Focus	0.1m - Inf						0.1m - Inf					
Control	Iris	Manual						Manual					
	Focus	Manual						Manual					
Filter Size		M58 P=0.75mm						M40.5 P=0.5mm					
Angle of View	D	2/3"	90.4°	1/2"	73.8°	1/3"	58.6°	2/3"	67.5°	1/2"	52.0°	1/3"	40.2°
	H		78.9°		61.8°		48.1°		56.4°		42.6°		32.6°
	V		63.4°		48.1°		36.8°		43.9°		32.6°		24.7°
Operating Temperature		-10°C - +50°C						-10°C - +50°C					

The XM0523 is required when using filters (sold separately).

The XM0823 is required when using filters (sold separately).

M1228-MPX						M1628-MPX							
Focal Length		12mm						16mm					
Max. Aperture Ratio		1:2.8						1:2.8					
Max. Image Format		φ 11.8mm						φ 11.8mm					
Operation Range	Iris	F2.8 - F16.0						F2.8 - F16.0					
	Focus	0.1m - Inf						0.1m - Inf					
Control	Iris	Manual						Manual					
	Focus	Manual						Manual					
Filter Size		M30.5 P=0.5mm						M30.5 P=0.5mm					
Angle of View	D	2/3"	49.2°	1/2"	36.9°	1/3"	28.1°	2/3"	37.9°	1/2"	28.1°	1/3"	21.3°
	H		40.3°		29.9°		22.7°		30.8°		22.7°		17.1°
	V		30.8°		22.7°		17.1°		23.4°		17.1°		12.9°
Operating Temperature		-10°C - +50°C						-10°C - +50°C					

M2528-MPX						M3528-MPX							
Focal Length		25mm						35mm					
Max. Aperture Ratio		1:2.8						1:2.8					
Max. Image Format		φ 11.8mm						φ 11.8mm					
Operation Range	Iris	F2.8 - F16.0						F2.8 - F16.0					
	Focus	0.1m - Inf						0.15m - Inf					
Control	Iris	Manual						Manual					
	Focus	Manual						Manual					
Filter Size		M30.5 P=0.5mm						M30.5 P=0.5mm					
Angle of View	D	2/3"	24.8°	1/2"	18.2°	1/3"	13.7°	2/3"	17.8°	1/2"	13.0°	1/3"	9.8°
	H		20.0°		14.6°		11.0°		14.3°		10.4°		7.8°
	V		15.1°		11.0°		8.3°		10.8°		7.8°		5.9°
Operating Temperature		-10°C - +50°C						-10°C - +50°C					

M5028-MPX						M7538-MPX							
Focal Length		50mm						75mm					
Max. Aperture Ratio		1:2.8						1:3.8					
Max. Image Format		φ 11.8mm						φ 11.8mm					
Operation Range	Iris	F2.8 - F16.0						F3.8 - F16.0					
	Focus	0.2m - Inf						0.25m - Inf					
Control	Iris	Manual						Manual					
	Focus	Manual						Manual					
Filter Size		M30.5 P=0.5mm						M30.5 P=0.5mm					
Angle of View	D	2/3"	12.6°	1/2"	9.1°	1/3"	6.9°	2/3"	8.6°	1/2"	6.3°	1/3"	
	H		10.1°		7.3°		5.5°		6.9°		5.0°		
	V		7.5°		5.5°		4.1°		5.2°		3.8°		
Operating Temperature		-10°C - +50°C						-10°C - +50°C					

Specifications are subject to change without notice.

