

NEW

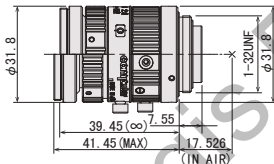
MPX Series

2/3" 16 MEGA PIXEL FIXED FOCAL LENS

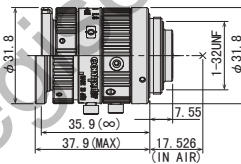


Model No.	Format	Focal Length	F No.	Working Distance	Weight
M0828-MPX	2/3"	8mm	F2.8-F16	0.1m - Inf	89g
M1228-MPX		12mm			78g
M1628-MPX		16mm			74g
M2528-MPX		25mm			83g
M3528-MPX		35mm	0.15m - Inf	82g	
M5028-MPX		50mm	0.2m - Inf	85g	
M7538-MPX		75mm	F3.8 - F16	0.25m - Inf	89g

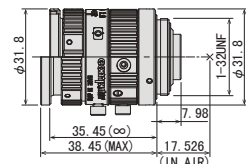
M0828-MPX



M1228-MPX



M1628-MPX



Focal Length	8mm					12mm					16mm							
Max. Aperture Ratio	1:2.8					1:2.8					1:2.8							
Max. Image Format	φ 11.8mm					φ 11.8mm					φ 11.8mm							
Operation Range	Iris F2.8 - F16.0					Iris F2.8 - F16.0					Iris F2.8 - F16.0							
	Focus 0.1m - Inf					Focus 0.1m - Inf					Focus 0.1m - Inf							
Control	Iris Manual					Iris Manual					Iris Manual							
	Focus Manual					Focus Manual					Focus Manual							
Angle of View	D	67.5°	52.0°	40.2°		49.2°	36.9°	28.1°		37.9°	28.1°	21.3°						
	H	2/3" 56.4°	1/2" 42.6°	1/3" 32.6°		2/3" 40.3°	1/2" 29.9°	1/3" 22.7°		2/3" 30.8°	1/2" 22.7°	1/3" 17.1°						
	V	43.9°	32.6°	24.7°		30.8°	22.7°	17.1°		23.4°	17.1°	12.9°						
Operating Temperature	-10°C - +50°C					-10°C - +50°C					-10°C - +50°C							
Optical Distortion	2/3"	+0.06%	1/2"	-0.39%	1/3"	-0.38%	2/3"	+0.13%	1/2"	-0.03%	1/3"	-0.05%	2/3"	0.24%	1/2"	0.00%	1/3"	-0.03%
Back Focal Length	10.2mm					10.2mm					10.3mm							
Flange Back Length	17.526mm					17.526mm					17.526mm							
Mount	C-Mount					C-Mount					C-Mount							
Filter Size	-					M30.5 P=0.5m					M30.5 P=0.5m							
Dimensions	φ 31.8mm × 39.45mm					φ 31.8mm × 35.9mm					φ 31.8mm × 35.45mm							
Weight	89g					78g					74g							

2/3" 16 MEGAPIXEL FIXED FOCAL LENS

- Anti-vibration (10G) and shock resistance design (10G) to adapt to harsh inspection environments
- High-resolution lens 2μm or less pixel size supported
- Floating mechanism enables high performance from close-up to long distance
- Precise focus adjustment with a focus rotation angle 3 times greater than usual lenses
- Adoption of click-type iris mechanism
- Wide lineup of f=8mm/12mm/16mm/25mm/35mm/50mm/75mm

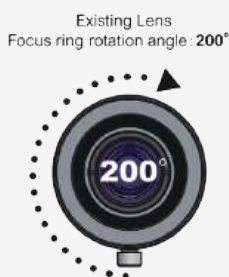
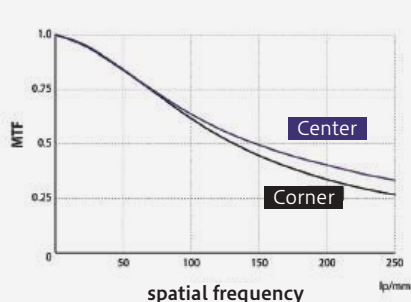
2/3"

16MP

MANUAL

FIX

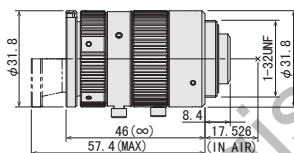
FLOATING



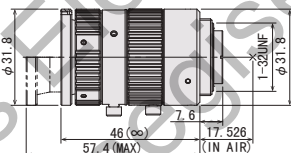
3x wider rotation angle!
Easy focus adjustment



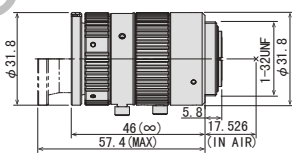
M2528-MPX



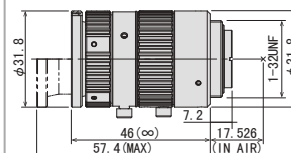
M3528-MPX



M5028-MPX



M7538-MPX



Focal Length	25mm					35mm					50mm					75mm					
Max. Aperture Ratio	1:2.8					1:2.8					1:2.8					1:3.8					
Max. Image Format	φ 11.8mm					φ 11.8mm					φ 11.8mm					φ 11.8mm					
Operation Range	Iris	F2.8 - F16.0					F2.8 - F16.0					F2.8 - F16.0					F3.8 - F16.0				
	Focus	0.1m - Inf					0.15m - Inf					0.2m - Inf					0.25m - Inf				
Control	Iris	Manual					Manual					Manual					Manual				
	Focus	Manual					Manual					Manual					Manual				
Angle of View	D	24.8°	18.2°	13.7°		17.8°	13.0°	9.8°		12.6°	9.1°	6.9°		8.6°	6.3°	4.7°					
	H	2/3" 20.0°	1/2" 14.6°	1/3" 11.0°		2/3" 14.3°	1/2" 10.4°	1/3" 7.8°		2/3" 10.1°	1/2" 7.3°	1/3" 5.5°		2/3" 6.9°	1/2" 5.0°	1/3" 3.8°					
	V	15.1°	11.0°	8.3°		10.8°	7.8°	5.9°		7.5°	5.5°	4.1°		5.2°	3.8°	2.8°					
Operating Temperature	-10°C - +50°C					-10°C - +50°C					-10°C - +50°C					-10°C - +50°C					

Optical Distortion	2/3"	+0.06%	1/2"	0.00%	1/3"	-0.01%	2/3"	+0.10%	1/2"	+0.10%	1/3"	+0.06%	2/3"	+0.04%	1/2"	+0.07%	1/3"	+0.05%	2/3"	+0.00%	1/2"	+0.14%	1/3"	+0.11%
Back Focal Length	9.5mm						10.9mm						13.2mm						11.9mm					
Flange Back Length	17.526mm						17.526mm						17.526mm						17.526mm					
Mount	C-Mount						C-Mount						C-Mount						C-Mount					
Filter Size	M30.5 P=0.5mm						M30.5 P=0.5mm						M30.5 P=0.5mm						M30.5 P=0.5mm					
Dimensions	φ 31.8mm × 46mm						φ 31.8mm × 46mm						φ 31.8mm × 46mm						φ 31.8mm × 46mm					
Weight	83g						82g						85g						89g					