



# 2/3 MEGAPIXEL inch Machine Vision Lens

## MPW3 Series



- Compact & Lightweight
- Shorter Working Distance
- Nominal Distortion Design
- Ensures Corner Brightness

**IMX250  
IMX264  
2/3" 3.45 $\mu$ m**

**RJ32S4  
S3AA0DK  
2/3" 3.45 $\mu$ m**

**IMX178  
1/1.8" 2.4 $\mu$ m**

**ICX625  
2/3" 3.45 $\mu$ m**

**EV2S05M  
1/1.8" 2.8 $\mu$ m**

**2/3" 2.74 $\mu$ m**

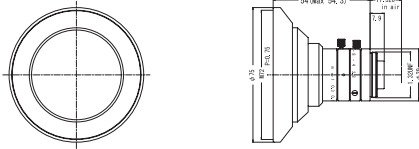
8 models available (5, 8, 12, 16, 25, 35, 50, 75mm)



# MPW3 Series

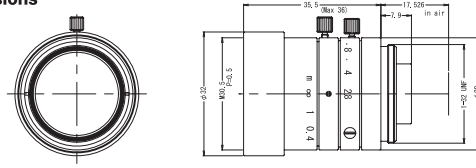
M0528-MPW3				
Model No.	M0528-MPW3	Effective	Front	φ45.5mm
Focal Length	5mm	Lens Aperture	Rear	φ9.9mm
Max. Aperture Ratio	1:2.8		2/3type(Y=5.5mm)	0.0%±
Max. Image Format	8.8mm x 6.6mm(φ11mm)	Distortion	1/1.8type(Y=4.5mm)	-2.1%
Operation Range	Focus F2.8 - 16.0		1/2.5type(Y=3.55mm)	-2.7%
Control	Focus 0.1m - inf.	Back Focal Length		9.2mm
	Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 570.6 x 427.3 mm	Filter Size		M72 P=0.75mm
	1/1.8 Type 467.0 x 347.4 mm	Dimensions		φ75mm x 54mm
	1/3 Type 367.3 x 274.6 mm	Weight		-g
Angle of View	D 94.6°		83.8°	71.4°
	H 83.2°	1/1.8 type	71.6°	59.8°
	V 67.5°		58.3°	46.6°
Operating Temperature	-10°C - +50°C			

## Dimensions



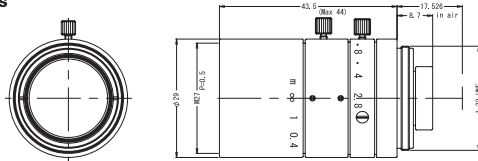
M0828-MPW3				
Model No.	M0828-MPW3	Effective	Front	φ21.2mm
Focal Length	8mm	Lens Aperture	Rear	φ10.1mm
Max. Aperture Ratio	1:2.8		2/3type(Y=5.5mm)	-1.8%
Max. Image Format	8.8mm x 6.6mm(φ11mm)	Distortion	1/1.8type(Y=4.5mm)	-1.7%
Operation Range	Focus F2.8 - 16.0		1/2.5type(Y=3.55mm)	-1.3%
Control	Focus 0.1m - inf.	Back Focal Length		9.2mm
	Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 122.2 x 90.8 mm	Filter Size		M30.5 P=0.5mm
	1/1.8 Type 98.2 x 75.8 mm	Dimensions		φ32mm x 35.5mm
	1/3 Type 65.6 x 49.0 mm	Weight		58g
Angle of View	D 68.5°		57.7°	47.2°
	H 57.0°	1/1.8 type	47.3°	38.5°
	V 44.2°		37.5°	29.4°
Operating Temperature	-10°C - +50°C			

## Dimensions



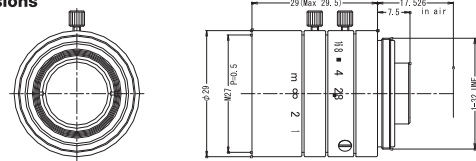
M1228-MPW3				
Model No.	M1228-MPW3	Effective	Front	φ18.8mm
Focal Length	12mm	Lens Aperture	Rear	φ10.3mm
Max. Aperture Ratio	1:2.8		2/3type(Y=5.5mm)	-0.1%
Max. Image Format	8.8mm x 6.6mm(φ11mm)	Distortion	1/1.8type(Y=4.5mm)	0.0%±
Operation Range	Focus F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.0%±
Control	Focus 0.1m - inf.	Back Focal Length		9.2mm
	Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 83.0 x 62.0 mm	Filter Size		M27 P=0.5mm
	1/1.8 Type 67.7 x 50.6 mm	Dimensions		φ29mm x 43.5mm
	1/3 Type 53.4 x 40.2 mm	Weight		60g
Angle of View	D 49.3°		40.8°	33.0°
	H 40.3°	1/1.8 type	33.1°	26.7°
	V 30.8°		26.0°	20.3°
Operating Temperature	-10°C - +50°C			

## Dimensions



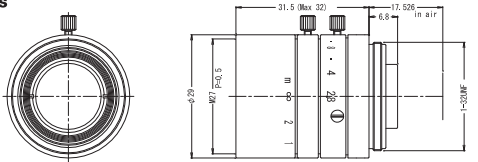
M1628-MPW3				
Model No.	M1628-MPW3	Effective	Front	φ14.1mm
Focal Length	16mm	Lens Aperture	Rear	φ9.1mm
Max. Aperture Ratio	1:2.8		2/3type(Y=5.5mm)	0.5%
Max. Image Format	8.8mm x 6.6mm(φ11mm)	Distortion	1/1.8type(Y=4.5mm)	0.2%
Operation Range	Focus F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.0%±
Control	Focus 0.25m - inf.	Back Focal Length		10.3mm
	Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 140.6 x 105.4 mm	Filter Size		M27 P=0.5mm
	1/1.8 Type 115.0 x 86.2 mm	Dimensions		φ29mm x 29mm
	1/3 Type 91.0 x 68.6 mm	Weight		37g
Angle of View	D 37.8°		31.4°	25.0°
	H 30.7°	1/1.8 type	25.3°	20.2°
	V 23.3°		19.2°	15.3°
Operating Temperature	-10°C - +50°C			

## Dimensions



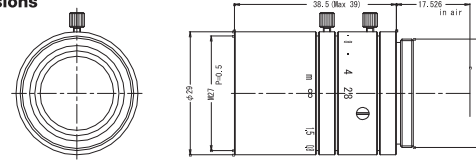
M2528-MPW3				
Model No.	M2528-MPW3	Effective	Front	φ14.1mm
Focal Length	25mm	Lens Aperture	Rear	φ10.5mm
Max. Aperture Ratio	1:2.8		2/3type(Y=5.5mm)	0.8%
Max. Image Format	8.8mm x 6.6mm(φ11mm)	Distortion	1/1.8type(Y=4.5mm)	0.5%
Operation Range	Focus F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.3%
Control	Focus 0.2m - inf.	Back Focal Length		11.5mm
	Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 70.7 x 53.0 mm	Filter Size		M27 P=0.5mm
	1/1.8 Type 57.8 x 43.3 mm	Dimensions		φ29mm x 31.5mm
	1/3 Type 45.7 x 34.5 mm	Weight		42g
Angle of View	D 24.6°		20.3°	16.1°
	H 19.9°	1/1.8 type	16.3°	13.0°
	V 15.0°		12.3°	9.8°
Operating Temperature	-10°C - +50°C			

## Dimensions



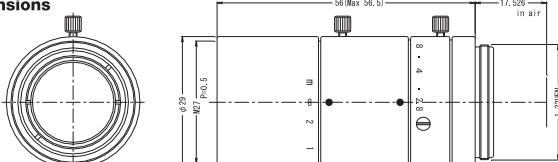
M3528-MPW3				
Model No.	M3528-MPW3	Effective	Front	φ17.8mm
Focal Length	35mm	Lens Aperture	Rear	φ11.8mm
Max. Aperture Ratio	1:2.8		2/3type(Y=5.5mm)	0.1%
Max. Image Format	8.8mm x 6.6mm(φ11mm)	Distortion	1/1.8type(Y=4.5mm)	0.0%±
Operation Range	Focus F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.0%±
Control	Focus 0.25m - inf.	Back Focal Length		18.0mm
	Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 45.1 x 33.8 mm	Filter Size		M27 P=0.5mm
	1/1.8 Type 36.6 x 27.4 mm	Dimensions		φ29mm x 38.5mm
	1/3 Type 28.3 x 21.9 mm	Weight		48g
Angle of View	D 17.9°		14.4°	11.6°
	H 14.3°	1/1.8 type	11.7°	9.3°
	V 10.8°		8.7°	7.0°
Operating Temperature	-10°C - +50°C			

## Dimensions



M5028-MPW3				
Model No.	M5028-MPW3	Effective	Front	φ17.8mm
Focal Length	50mm	Lens Aperture	Rear	φ9.9mm
Max. Aperture Ratio	1:2.8		2/3type(Y=5.5mm)	0.0%±
Max. Image Format	8.8mm x 6.6mm(φ11mm)	Distortion	1/1.8type(Y=4.5mm)	0.0%±
Operation Range	Focus F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.0%±
Control	Focus 0.3m - inf.	Back Focal Length		26.3mm
	Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 64.1 x 48.1 mm	Filter Size		M27 P=0.5mm
	1/1.8 Type 52.5 x 39.4 mm	Dimensions		φ29mm x 56mm
	1/3 Type 41.5 x 31.3 mm	Weight		65g
Angle of View	D 12.5°		10.2°	8.1°
	H 10.0°	1/1.8 type	8.2°	6.5°
	V 7.5°		6.2°	4.9°
Operating Temperature	-10°C - +50°C			

## Dimensions



M7528-MPW3				
Model No.	M7528-MPW3	Effective	Front	φ26.1mm
Focal Length	75mm	Lens Aperture	Rear	φ15.8mm
Max. Aperture Ratio	1:2.8		2/3type(Y=5.5mm)	0.3%
Max. Image Format	8.8mm x 6.6mm(φ11mm)	Distortion	1/1.8type(Y=4.5mm)	0.2%
Operation Range	Focus F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.1%
Control	Focus 0.4m - inf.	Back Focal Length		14.8mm
	Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 47.0 x 35.2 mm	Filter Size		M34 P=0.5mm
	1/1.8 Type 38.4 x 28.8 mm	Dimensions		φ36mm x 75mm
	1/3 Type 30.4 x 22.9 mm	Weight		102g
Angle of View	D 8.4°		6.9°	5.4°
	H 6.7°	1/1.8 type	5.5°	4.3°
	V 5.0°		4.1°	3.3°
Operating Temperature	-10°C - +50°C			

## Dimensions

