



# 2/3 inch MEGAPIXEL Machine Vision Lens



## MPW3 Series

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

**IMX250**  
**IMX264**  
**2/3" 3.45µm**

**RJ32S4**  
**S3AA0DK**  
**2/3" 3.45µm**

**IMX178**  
**1/1.8" 2.4µm**

**ICX625**  
**2/3" 3.45µm**

**EV2S05M**  
**1/1.8" 2.8µm**

**2/3" 2.74µm**

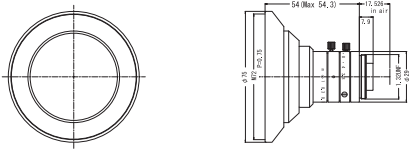
8 models available (5, 8, 12, 16, 25, 35, 50, 75mm)



# computar MPW3 Series

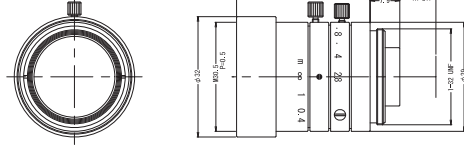
M0528-MPW3				
Model No.	M0528-MPW3	Effective Lens Aperture	Front	φ45.5mm
Focal Length	5mm	Lens Aperture	Rear	φ9.9mm
Max. Aperture Ratio	1:2.8	Distortion	2/3type(Y=5.5mm)	0.0%*
Max. Image Format	8.8mm x 6.6mm(φ11mm)		1/1.8type(Y=4.5mm)	-2.1%
Operation Range	Iris F2.8 - 16.0		1/2.5type(Y=3.55mm)	-2.7%
Control	Focus 0.1m - inf.	Back Focal Length		9.2mm
	Iris Manual	Flange Back Length		17.526mm
	Focus Manual	Mount		C-Mount
Object Dimension at M.O.D.	2/3 Type 570.8 x 427.3 mm	Filter Size		M12 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		-9
Angle of View	D		1/1.8 type	83.8°
	H	2/3 type		71.4°
	V		1/2.5 type	59.8°
Operating Temperature				46.6°

## Dimensions



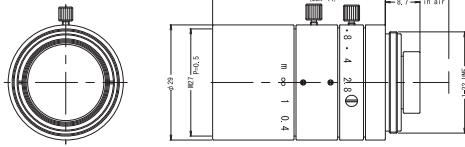
M0828-MPW3				
Model No.	M0828-MPW3	Effective Lens Aperture	Front	φ21.2mm
Focal Length	8mm	Lens Aperture	Rear	φ10.1mm
Max. Aperture Ratio	1:2.8	Distortion	2/3type(Y=5.5mm)	-1.8%
Max. Image Format	8.8mm x 6.6mm(φ11mm)		1/1.8type(Y=4.5mm)	-1.7%
Operation Range	Iris F2.8 - 16.0		1/2.5type(Y=3.55mm)	-1.3%
Control	Focus 0.1m - inf.	Back Focal Length		9.2mm
	Iris 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 96.2 x 75.8 mm	Dimensions		φ32mm x 35.5mm
	1/3 Type 65.6 x 49.0 mm	Weight		58g
Angle of View	D		1/1.8 type	57.7°
	H	2/3 type		47.3°
	V		1/2.5 type	38.5°
Operating Temperature				29.4°

## Dimensions



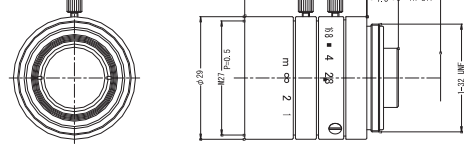
M1228-MPW3				
Model No.	M1228-MPW3	Effective Lens Aperture	Front	φ18.8mm
Focal Length	12mm	Lens Aperture	Rear	φ10.3mm
Max. Aperture Ratio	1:2.8	Distortion	2/3type(Y=5.5mm)	-0.1%
Max. Image Format	8.8mm x 6.6mm(φ11mm)		1/1.8type(Y=4.5mm)	0.0%*
Operation Range	Iris F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.0%*
Control	Focus 0.1m - inf.	Back Focal Length		9.2mm
	Iris 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		1/1.8 type	40.8°
	H	2/3 type		33.0°
	V		1/2.5 type	26.7°
Operating Temperature				20.3°

## Dimensions



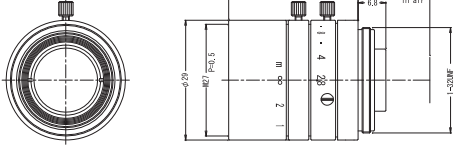
M1628-MPW3				
Model No.	M1628-MPW3	Effective Lens Aperture	Front	φ14.1mm
Focal Length	16mm	Lens Aperture	Rear	φ9.1mm
Max. Aperture Ratio	1:2.8	Distortion	2/3type(Y=5.5mm)	0.5%
Max. Image Format	8.8mm x 6.6mm(φ11mm)		1/1.8type(Y=4.5mm)	0.2%
Operation Range	Iris F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.0%*
Control	Focus 0.25m - inf.	Back Focal Length		10.3mm
	Iris 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		1/1.8 type	31.4°
	H	2/3 type		25.0°
	V		1/2.5 type	20.2°
Operating Temperature				15.3°

## Dimensions



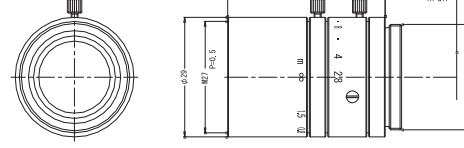
M2528-MPW3				
Model No.	M2528-MPW3	Effective Lens Aperture	Front	φ14.1mm
Focal Length	25mm	Lens Aperture	Rear	φ10.5mm
Max. Aperture Ratio	1:2.8	Distortion	2/3type(Y=5.5mm)	0.8%
Max. Image Format	8.8mm x 6.6mm(φ11mm)		1/1.8type(Y=4.5mm)	0.5%
Operation Range	Iris F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.3%
Control	Focus 0.2m - inf.	Back Focal Length		11.5mm
	Iris 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		1/1.8 type	20.3°
	H	2/3 type		16.1°
	V		1/2.5 type	13.0°
Operating Temperature				9.8°

## Dimensions



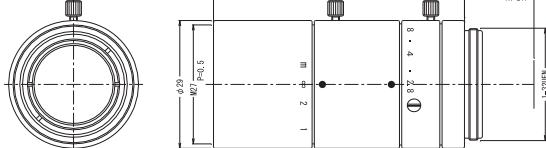
M3528-MPW3				
Model No.	M3528-MPW3	Effective Lens Aperture	Front	φ17.8mm
Focal Length	35mm	Lens Aperture	Rear	φ11.8mm
Max. Aperture Ratio	1:2.8	Distortion	2/3type(Y=5.5mm)	0.1%
Max. Image Format	8.8mm x 6.6mm(φ11mm)		1/1.8type(Y=4.5mm)	0.0%*
Operation Range	Iris F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.0%*
Control	Focus 0.25m - inf.	Back Focal Length		18.0mm
	Iris 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 29.3 x 21.9 mm	Weight		48g
Angle of View	D		1/1.8 type	14.4°
	H	2/3 type		11.7°
	V		1/2.5 type	9.3°
Operating Temperature				7.0°

## Dimensions



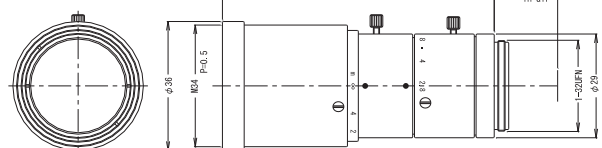
M5028-MPW3				
Model No.	M5028-MPW3	Effective Lens Aperture	Front	φ17.8mm
Focal Length	50mm	Lens Aperture	Rear	φ9.9mm
Max. Aperture Ratio	1:2.8	Distortion	2/3type(Y=5.5mm)	0.0%*
Max. Image Format	8.8mm x 6.6mm(φ11mm)		1/1.8type(Y=4.5mm)	0.0%*
Operation Range	Iris F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.0%*
Control	Focus 0.3m - inf.	Back Focal Length		26.2mm
	Iris 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		1/1.8 type	10.2°
	H	2/3 type		8.1°
	V		1/2.5 type	6.5°
Operating Temperature				4.9°

## Dimensions



M7528-MPW3				
Model No.	M7528-MPW3	Effective Lens Aperture	Front	φ26.1mm
Focal Length	75mm	Lens Aperture	Rear	φ15.8mm
Max. Aperture Ratio	1:2.8	Distortion	2/3type(Y=5.5mm)	0.3%
Max. Image Format	8.8mm x 6.6mm(φ11mm)		1/1.8type(Y=4.5mm)	0.2%
Operation Range	Iris F2.8 - 16.0		1/2.5type(Y=3.55mm)	0.1%
Control	Focus 0.4m - inf.	Back Focal Length		14.6mm
	Iris 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		1/1.8 type	6.9°
	H	2/3 type		5.5°
	V		1/2.5 type	4.3°
Operating Temperature				3.3°

## Dimensions



Distribution in the UK & Ireland



**Lambda Photometrics Limited**  
 Lambda House Batford Mill  
 Harpenden Herts AL5 5BZ  
 United Kingdom

**Characterisation,  
 Measurement &  
 Analysis**

**E: info@lambdaphoto.co.uk**  
**W: www.lambdaphoto.co.uk**  
**T: +44 (0)1582 764334**  
**F: +44 (0)1582 712084**