



Vision Light Tech

creating optical solutions



# 1" MEGAPIXEL Machine Vision Lens

## MPZ Series

- Compact & Lightweight
- Shorter Working Distance
- Floating Design
- Nominal Distortion Design
- Ensure Corner Brightness
- Vibration Resistance : 5G



IMX183  
1" 2.4 $\mu$ m

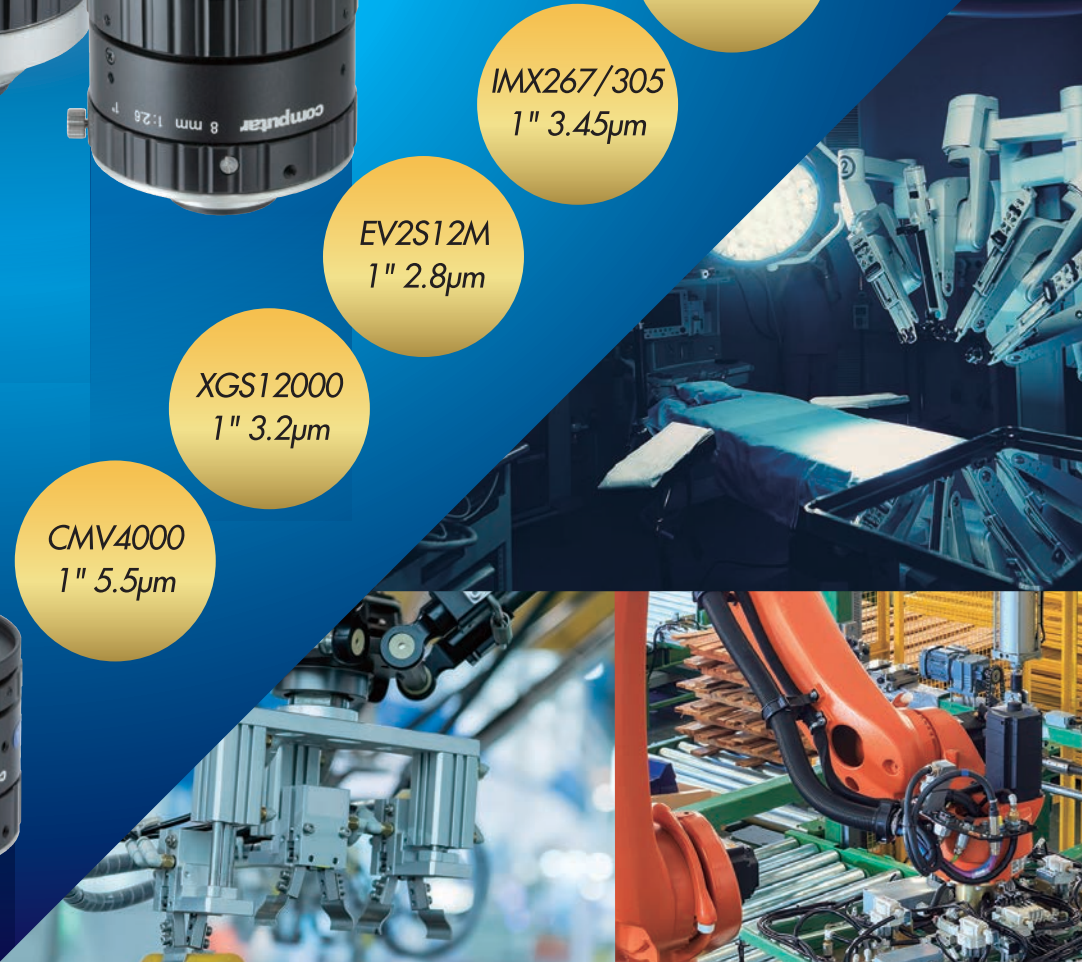
IMX255  
1" 3.45 $\mu$ m

IMX267/305  
1" 3.45 $\mu$ m

EV2S12M  
1" 2.8 $\mu$ m

XGS12000  
1" 3.2 $\mu$ m

CMV4000  
1" 5.5 $\mu$ m

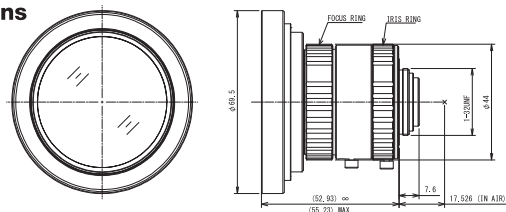


# 1 inch MEGAPIXEL Machine Vision Lens MPZ Series

## V0826-MPZ

Focal Length		8mm		Distortion		1 Type		-0.8%	
Max. Aperture Ratio		1:2.6		Distortion		2/3 Type		-2.1%	
Max. Image Format		12.8mm x 9.6mm(φ16mm)		Distortion		1/1.8 Type		-1.9%	
Operation Range		Iris F2.6 - F16.0		Filter Size		M82 P=0.75mm			
Focus		0.1m - Inf.		Weight		203.1g			
Angle of View	D	1 Type	88.8°	2/3 Type	68.6°		1/1.8 Type		58.2°
	H		76.9°		57.1°		47.8°		
	V		61.5°		44.2°		36.6°		
Operation Temperature		-10°C - +50°C		※ When using ZM-0810 (Sold separately)					

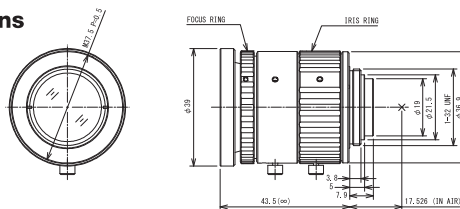
### Dimensions



## V1226-MPZ

Focal Length		12mm		Distortion		1 Type		0.0%*	
Max. Aperture Ratio		1:2.6		Distortion		2/3 Type		-1.1%	
Max. Image Format		12.8mm x 9.6mm(φ16mm)		Distortion		1/1.8 Type		-1.0%	
Operation Range		Iris F2.6 - F16.0		Filter Size		M37.5 P=0.5mm			
Focus		0.1m - Inf.		Weight		98.4g			
Angle of View	D	1 Type	67.4°	2/3 Type	49.8°		1/1.8 Type		41.5°
	H		56.7°		40.7°		33.7°		
	V		44.1°		31.0°		25.5°		
Operation Temperature		-10°C - +50°C							

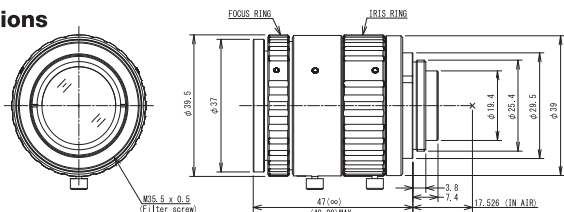
### Dimensions



## V1624-MPZ

Focal Length		16mm		Distortion		1 Type		0.0%*	
Max. Aperture Ratio		1:2.4		Distortion		2/3 Type		-0.4%	
Max. Image Format		12.8mm x 9.6mm(φ16mm)		Distortion		1/1.8 Type		-0.4%	
Operation Range		Iris F2.4 - F16.0		Filter Size		M33.5 P=0.5mm			
Focus		0.1m - Inf.		Weight		108.1g			
Angle of View	D	1 Type	53.2°	2/3 Type	38.1°		1/1.8 Type		31.6°
	H		43.8°		30.9°		25.5°		
	V		33.6°		23.4°		19.2°		
Operation Temperature		-10°C - +50°C							

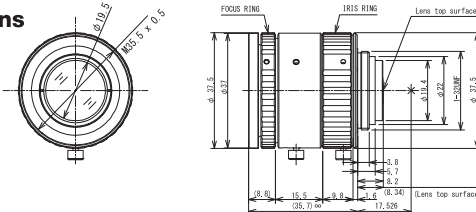
### Dimensions



## V2520-MPZ

Focal Length		25mm		Distortion		1 Type		0.0%*	
Max. Aperture Ratio		1:2.0		Distortion		2/3 Type		0.0%*	
Max. Image Format		12.8mm x 9.6mm(φ16mm)		Distortion		1/1.8 Type		0.0%*	
Operation Range		Iris F2.0 - F16.0		Filter Size		M35.5 P=0.5mm			
Focus		0.15m - Inf.		Weight		73.1g			
Angle of View	D	1 Type	35.5°	2/3 Type	24.9°		1/1.8 Type		20.5°
	H		28.8°		20.0°		16.4°		
	V		21.8°		15.1°		12.4°		
Operation Temperature		-10°C - +50°C							

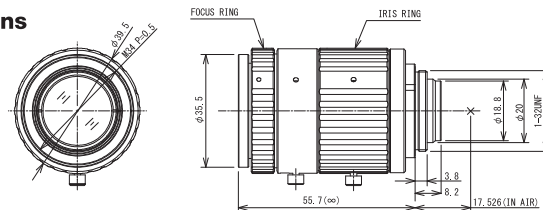
### Dimensions



## V3522-MPZ

Focal Length		35mm		Distortion		1 Type		0.0%*	
Max. Aperture Ratio		1:2.2		Distortion		2/3 Type		0.0%*	
Max. Image Format		12.8mm x 9.6mm(φ16mm)		Distortion		1/1.8 Type		0.0%*	
Operation Range		Iris F2.2 - F16.0		Filter Size		M34 P=0.5mm			
Focus		0.2m - Inf.		Weight		118.2g			
Angle of View	D	1 Type	25.8°	2/3 Type	17.9°		1/1.8 Type		14.7°
	H		20.8°		14.4°		11.8°		
	V		15.7°		10.8°		8.9°		
Operation Temperature		-10°C - +50°C							

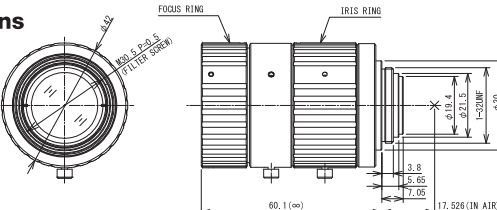
### Dimensions



## V5024-MPZ

Focal Length		50mm		Distortion		1 Type		0.0%*	
Max. Aperture Ratio		1:2.4		Distortion		2/3 Type		0.0%*	
Max. Image Format		12.8mm x 9.6mm(φ16mm)		Distortion		1/1.8 Type		0.0%*	
Operation Range		Iris F2.4 - F16.0		Filter Size		M30.5 P=0.5mm			
Focus		0.2m - Inf.		Weight		138.5g			
Angle of View	D	1 Type	18.2°	2/3 Type	12.6°		1/1.8 Type		10.3°
	H		14.6°		10.1°		8.3°		
	V		11.0°		7.6°		6.2°		
Operation Temperature		-10°C - +50°C							

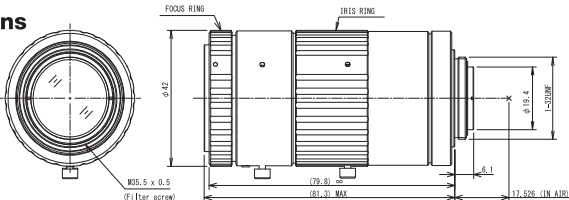
### Dimensions



## V7531-MPZ

Focal Length		75mm		Distortion		1 Type		0.0%*	
Max. Aperture Ratio		1:3.1		Distortion		2/3 Type		0.0%*	
Max. Image Format		12.8mm x 9.6mm(φ16mm)		Distortion		1/1.8 Type		0.0%*	
Operation Range		Iris F3.1 - F16.0		Filter Size		M30.5 P=0.5mm			
Focus		0.25m - Inf.		Weight		176.1g			
Angle of View	D	1 Type	12.2°	2/3 Type	8.4°		1/1.8 Type		6.9°
	H		9.8°		6.7°		5.5°		
	V		7.3°		5.0°		4.1°		
Operation Temperature		-10°C - +50°C							

### Dimensions



# Vision Light Tech

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Specification is subject to change without any notice  
 ※Described up to one decimal places.