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Designed with Exceptional Vision



12
MEGAPIXELS

Introducing the Computar **MPY Series**

Presenting a powerful line of 12 Megapixel C-mount lenses designed to fully leverage the high sensitivity and precise high-speed imaging of the 1.1" Sony IMX253 and IMX255 sensors.

MPY Series lenses provide Computar's superior, high-performance optics and they're available in full range of common focal lengths for virtually any application—supporting pixel sizes as low as 3.45µm.

For more than 40 years, Computar® has been setting the standard for exceptional optical quality, technical innovation, product support, custom OEM and industries such as ITS, Machine Vision, Life Sciences, Defense and Security. Take a look at Computar today—now more than ever, you'll like what you see.

MPY SERIES FEATURES:

- Machine Vision and Life Sciences Applications
- Fixed Focal Length
- Available in 8, 12, 16, 25, 35 and 50mm focal lengths
- Smallest 1.1" lens for >10MP Lens in the industry
- F2.8
- 3.45µm pixel size
- Image circle Ø17



CBC (EUROPE) GmbH

computar

www.cbc.ru

1.1" 12 MEGAPIXEL C-MOUNT MV LENS **NEW**



V0828-MPY



There is no filter mount on the top of the lens.
For using filters, please attach either VM0811 or VM0810.

Focal Length	8mm				
Max. Aperture Ratio	1:2.8				
Max. Image Format	14.2mm x 10.4mm (φ 17.6mm)				
Operation Range	Iris	F2.8 - F16.0			
	Focus	0.2m - Inf.			
Control	Iris	Manual			
	Focus	Manual			
Object Dimension at M.O.D.	375.6(H)mm x 273.3(V)mm 1.1"				
Angle of View	D	93.9°	89.3°	69.0°	
	H	1.1" 83.0°	1" 77.3°	2/3"	57.3°
	V	66.0°	61.7°	44.2°	
Operating Temperature	-10°C ~ +50°C				
Distortion	1.1"	-0.6%(y=8.8)	1"	-1.7%(y=8.0)	2/3" -2.8%(y=5.5)
Filter Size	M67 / 72 P 0.75mm VM0810/0811				
Dimensions	φ 75mm x 54mm				
Weight	155g				

V1228-MPY



Focal Length	12mm				
Max. Aperture Ratio	1:2.8				
Max. Image Format	14.2mm x 10.4mm (φ 17.6mm)				
Operation Range	Iris	F2.8 - F16.0			
	Focus	0.3m - Inf.			
Control	Iris	Manual			
	Focus	Manual			
Object Dimension at M.O.D.	351.6(H)mm x 257.0(V)mm 1.1"				
Angle of View	D	71.1°	66.4°	48.6°	
	H	1.1" 60.5°	1" 55.5°	2/3"	39.6°
	V	46.2°	42.9°	30.1°	
Operating Temperature	-10°C ~ +50°C				
Distortion	1.1"	-0.5%(y=8.8)	1"	-1.0%(y=8.0)	2/3" -1.4%(y=5.5)
Filter Size	M40.5 P=0.5mm				
Dimensions	φ 42.0mm x 36.1mm				
Weight	98g				

V1628-MPY



Focal Length	16mm				
Max. Aperture Ratio	1:2.8				
Max. Image Format	14.2mm x 10.4mm (φ 17.6mm)				
Operation Range	Iris	F2.8 - F16.0			
	Focus	0.3m - Inf.			
Control	Iris	Manual			
	Focus	Manual			
Object Dimension at M.O.D.	264.6(H)mm x 193.8(V)mm 1.1"				
Angle of View	D	57.9°	53.4°	38.2°	
	H	1.1" 48.2°	1" 43.9°	2/3"	30.9°
	V	36.2°	33.6°	23.4°	
Operating Temperature	-10°C ~ +50°C				
Distortion	1.1"	-0.5%(y=8.8)	1"	-0.6%(y=8.0)	2/3" -0.6%(y=5.5)
Filter Size	M34.0 P=0.5mm				
Dimensions	φ 39.5mm x 35.2mm				
Weight	91g				

V2528-MPY



Focal Length	25mm				
Max. Aperture Ratio	1:2.8				
Max. Image Format	14.2mm x 10.4mm (φ 17.6mm)				
Operation Range	Iris	F2.8 - F16.0			
	Focus	0.3m - Inf.			
Control	Iris	Manual			
	Focus	Manual			
Object Dimension at M.O.D.	158.7(H)mm x 116.2(V)mm 1.1"				
Angle of View	D	38.7°	35.4°	24.8°	
	H	1.1" 31.7°	1" 28.7°	2/3"	20.0°
	V	23.5°	21.7°	15.0°	
Operating Temperature	-10°C ~ +50°C				
Distortion	1.1"	0.3%(y=8.8)	1"	0.2%(y=8.0)	2/3" 0.1%(y=5.5)
Filter Size	M34.0 P=0.5mm				
Dimensions	φ 39.5mm x 34mm				
Weight	78g				

V3528-MPY



Focal Length	35mm				
Max. Aperture Ratio	1:2.8				
Max. Image Format	14.2mm x 10.4mm (φ 17.6mm)				
Operation Range	Iris	F2.8 - F16.0			
	Focus	0.3m - Inf.			
Control	Iris	Manual			
	Focus	Manual			
Object Dimension at M.O.D.	109.3(H)mm x 80.1(V)mm 1.1"				
Angle of View	D	28.2°	25.8°	17.9°	
	H	1.1" 22.9°	1" 20.7°	2/3"	14.3°
	V	16.9°	15.9°	10.8°	
Operating Temperature	-10°C ~ +50°C				
Distortion	1.1"	-0.1%(y=8.8)	1"	0.0%(y=8.0)	2/3" 0.0%(y=5.5)
Filter Size	M34.0 P=0.5mm				
Dimensions	φ 39.5mm x 45.1mm				
Weight	103g				

V5028-MPY



Focal Length	50mm				
Max. Aperture Ratio	1:2.8				
Max. Image Format	14.2mm x 10.4mm (φ 17.6mm)				
Operation Range	Iris	F2.8 - F16.0			
	Focus	0.5m - Inf.			
Control	Iris	Manual			
	Focus	Manual			
Object Dimension at M.O.D.	115.9(H)mm x 84.8(V)mm 1.1"				
Angle of View	D	20.0°	18.2°	12.6°	
	H	1.1" 16.2°	1" 14.6°	2/3"	10.1°
	V	11.9°	11.0°	7.6°	
Operating Temperature	-10°C ~ +50°C				
Distortion	1.1"	0.1%(y=8.8)	1"	0.1%(y=8.0)	2/3" 0.1%(y=5.5)
Filter Size	M34.0 P=0.5mm				
Dimensions	φ 39.5mm x 45.1mm				
Weight	107g				

