

# MSVF3X3313IR3-BCDN-MD

Type	AI VARI	Mount	ø14 Straight Mount			
Focal Length	3.3~10.0mm	Back Focus	5.9~12.2mm			
Fno.	F1.3	Flange Back	13.8mm			
Designed Image Format	1/2.7”(φ 6.6)	Exit Pupil	-74.8 ~ -21.4mm			
Operation Range	Iris	F1.3-F360	Filter Size	-		
	Focus	0.5m~ ∞	Aperture	Front	φ 16.4mm	
Zoom	3.3~10.0mm	Rear		φ 6.7mm		
Control	Iris	DC Galvanometer	Dimension	ø29 x 37.9mm		
	Focus	Motorized		Weight	26g	
	Zoom	Motorized				
Object Size at MOD (500mm)	Wide	684.7x1094.3mm	539.2x1415.2mm			
	Tele	216.0x291.2mm	179.2x327.6mm			
Field of View	D	4:3 128.1°~39.8°	16:9 134.0°~40.7°			
	H	Screen 93.8°~31.8°	Screen 108.1°~35.6°			
	V	(1/2.7) 67.7°~23.9°	(1/2.7) 55.7°~19.9°			
Control	Iris	Focus	Zoom	IR cut filter		
Motor type	Galvanometer	PM type stepping motor	PM type stepping motor	Galvanometer		
Operation voltage	3.0V ~ 5.0V	3.0V ~ 3.6V	3.0V ~ 3.6V	3.0V ~ 5.0V		
Driving Coil resistance	190Ω/phase±10%	20Ω/phase±7%		190Ω/phase±10%		
Damping Coil resistance	855Ω/phase±10%	-		-		
Excite driving method	-	1-2phase Bipolar Constant voltage	1-2phase Bipolar Constant voltage	-		
Reduction ratio	-	1/45	1/45	-		
Step angle	-	0.2°	0.2°	-		
Insulation resistance pulse of fullstroke	1MΩ or more	1MΩ or more	1MΩ or more	1MΩ or more		
Operating Temperature	-10 ~ +50 °C					

1/2.7"

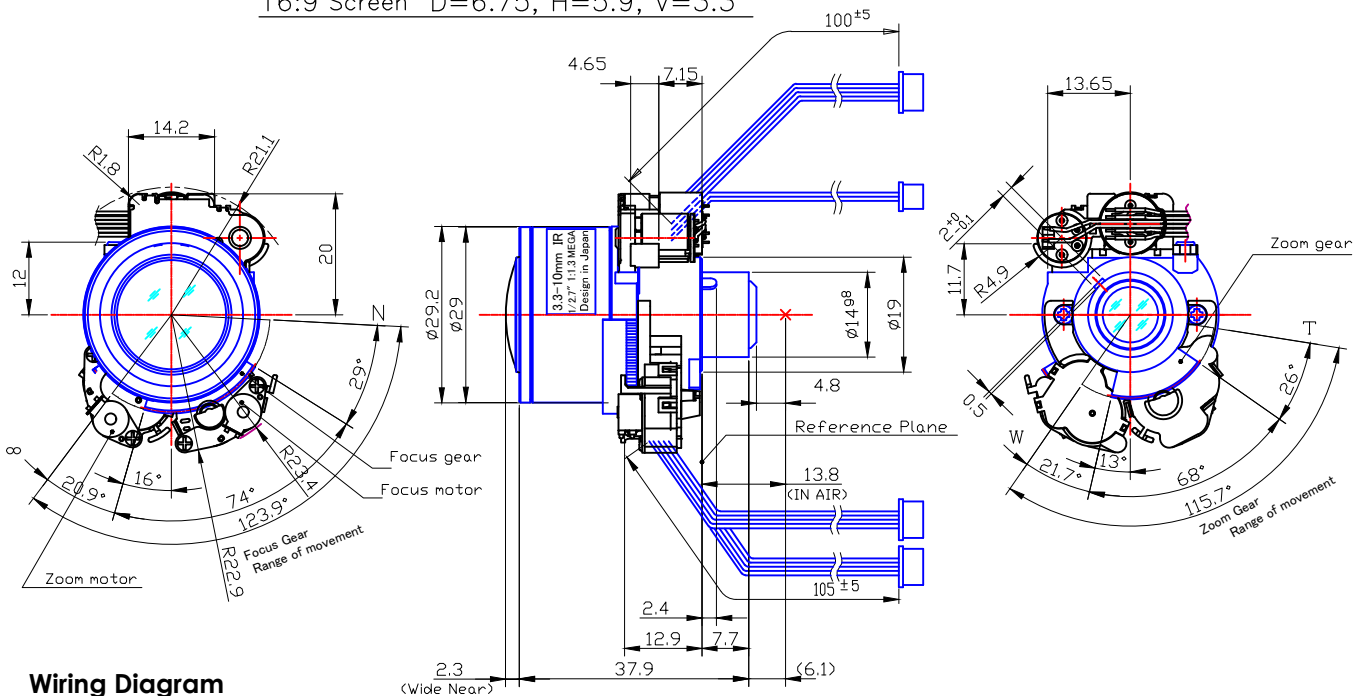
FM

BCDN

## DIMENSIONS

4:3 Screen D=6.6, H=5.28, V=2.96

16:9 Screen D=6.75, H=5.9, V=3.3



## Wiring Diagram

1) 4-pin Connector for Auto Iris (Molex : 51021-0400 Single Socket)

Pin No.1	Yellow	Damping(+)
2	Orange	Damping(-)
3	Brown	Driving (+)
4	Red	Driving (-)

2) 2-pin Connector for IR Cut Filter (Molex : 51021-0200 Single Socket)

Pin No.1	Red	IR IN/OUT(+)
2	Black	IR GND