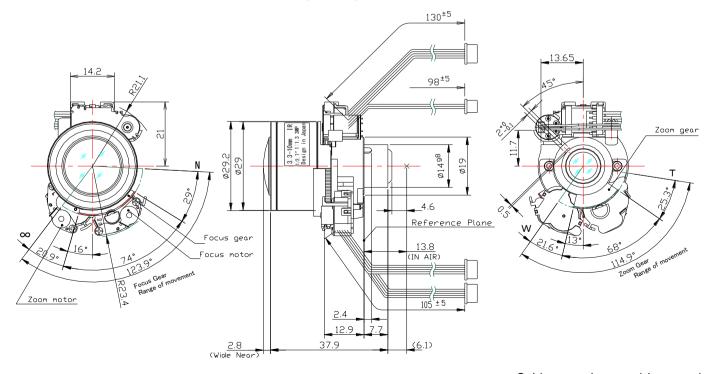
MSVF3X3313IR3-BCPN-MD2



Focal Length Fno. Iris Designed Image Format Iris Operation Range Focal Zool Iris Control Focal Zool ICR Object Size at MOD Wide	m 3.3~10.0mm Motorized Motorized Motorized DC Galvanometer 685.5x1095.9mm		Back Focus Flange Back Exit Pupil Filter Size Aperture Dimension Weight	Front Rear	13.8m -74.8 φ 16.4 φ 6.7e	~ −21.4mm − 4mm
Designed Image Format Iris Operation Range Foci Zoor Iris Control Foci Zoor ICR	$1/2.7''(\phi 6.6)$ F1.3-F16-Closed 0.5m $\sim \infty$ 3.3 \sim 10.0mm Motorized Motorized Motorized DC Galvanometer 685.5 \times 1095.9mm		Exit Pupil Filter Size Aperture Dimension		-74.8 ϕ 16.4 ϕ 6.7 ϕ 29	~ -21.4mm - 4mm mm
Iris Foci Zool	F1.3-F16-Closed 0.5m~∞ 3.3~10.0mm Motorized Motorized Motorized DC Galvanometer 685.5x1095.9mm		Exit Pupil Filter Size Aperture Dimension		ϕ 16.4 ϕ 6.7 ϕ 29	- 4mm mm
Operation Range Foca Zool Control Foca Zool Iris Foca Zool ICR	o.5m~∞ o.3.3~10.0mm Motorized Motorized Motorized DC Galvanometer 685.5x1095.9mm		Aperture Dimension		ϕ 6.7	mm
Zool Iris Control Zool ICR	m 3.3~10.0mm Motorized Motorized Motorized DC Galvanometer 685.5x1095.9mm		Dimension		ϕ 6.7	mm
Control Iris Foci Zoo ICR	Motorized Motorized Motorized DC Galvanometer 685.5x1095.9mm		Dimension	Rear	φ29	
Control Foci Zooi ICR	Motorized Motorized DC Galvanometer 685.5x1095.9mm					x 37.9mm
Zooi ICR	Motorized DC Galvanometer 685.5x1095.9mm					x 37.9mm
Zooi ICR	DC Galvanometer 685.5x1095.9mm		Weight		27 o	
	685.5x1095.9mm				ر ج د	
Object Size of MOD Wide						
				527.7x1331.1mm		
(500mm) Tele	216.7x272.2mm		176.5x320.4mm			
D		_128.2° ~39.9°		128.2° ~39.9°		
Field of View H		4:3 93.9° ~31.9° 67.7° ~24.0°		16:9 104.8° ~34.8° 54.7° ~19.6°		
V	67.7° ~ 2			∼ 19.6°		
Control	Iris		Focus Zoom			IR cut filter
Motor type	PM type		PM type	PM typ		Galvanometer
Wotor type	stepping motor		pping motor	stepping m		
Operation voltage	2.6V ~ 3.8V		6V ~ 4.8V	2.6V ~ 4.8V		3.0V ~ 5.0V
Coil resistance	$28.5\Omega/\text{phase} \pm 10\%$	4	$20\Omega/$ pha			190Ω/phase ±10%
Excite driving method	2phase Bipolar		hase Bipolar	2phase Bipolar		_
Exorte diffing method	Constant voltage	Cor	nstant voltage	Constant v	oltage	
Reduction ratio			1/45	1/45		_
Step angle	0.709°		0.4°	0.4°		_
Insulation resistance	$1 M \Omega$ or more	1M	1Ω or more	$1 M \Omega$ or more		$1 M \Omega$ or more
pulse of fullstroke	_		1441	1161		_
Input Signal						
Iris Accuracy	uracy					
Sensitivity Adjustment	-					
Operating Temperature	-10 ~ +50 °C					

DIMENSIONS

4:3 Screen D=6.6, H=5.28, V=3.96 16:9 Screen D=6.6, H=5.76, V=3.24



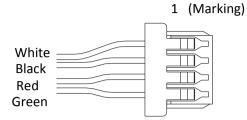
Subject to change without notice

MSVF3X3313IR3-BCPN-MD2



CONNECTION & CONTOROL

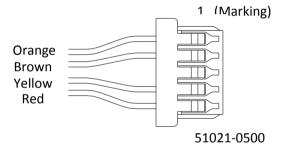
(1) Auto Iris terminal



51021-0400

Pin number	Color	Assignment
1	White	Ā
2	Black	В
3	Red	Α
4	Green	B

(3) Zoom Moter Control terminal



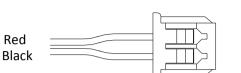
Pin number	Color	Assignment
1	Orange	В
2	Brown	Α
3	N/A	N/A
4	Yellow	В
5	Red	Ā

(5)Moter Control Excitation pattern



Motor connection

(2) IR Cut Filter Control terminal

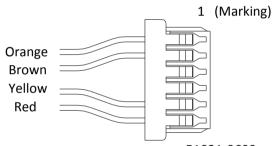


51021-0200

1 (Marking)

Pin number	Color	Assignment		
1	Red	IR IN/OUT(-/+)		
2	Black	IR GND		

(4) Focus Moter Control terminal



51021-0600

Pin number	Color	Assignment
1	Orange	В
2	Brown	Α
3	N/A	N/A
4	N/A	N/A
5	Yellow	B
6	Red	Ā

Iris			C	: WC	Op	en	\rightarrow	Close
	_	_	 				_	

Excite Pattern of CW revolution						
Step A Ā B B						
0	Ι	L	Η	L		
1	L	Ι	Η	L		
2	L	Ι	L	Ι		
3	Н	L	Ĺ	Н		

Focus & Zoom

1 0003 & 200111							
Excite Pattern of CW revolution							
Step A Ā B B							
0	Н	L	Ι	L			
1	L	Ι	Ι	L			
2	L	Ι	L	Ι			
3	Н	L	L	Н			