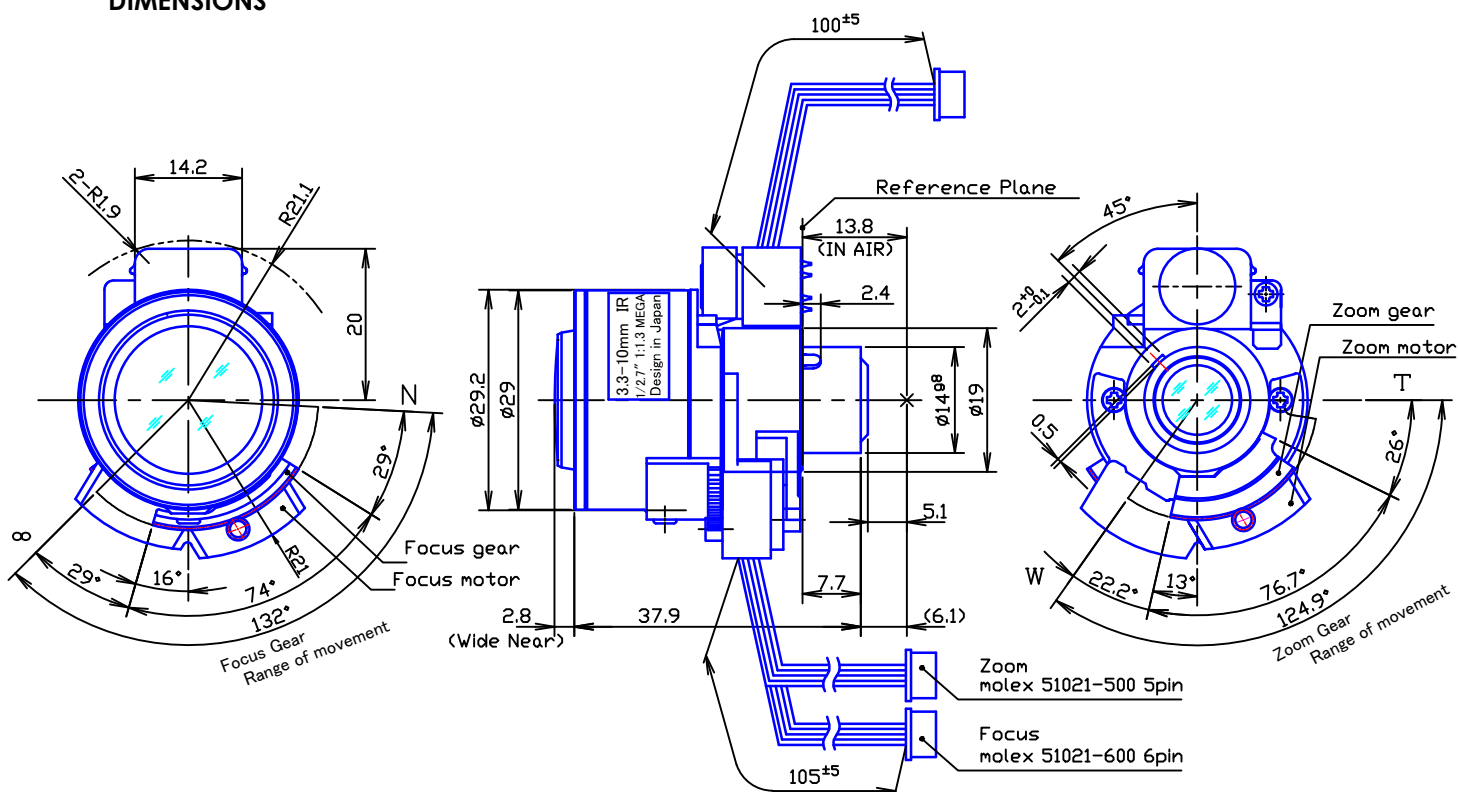


MSVF3X3313IR-BCD-MD

Type	AI VARI		Mount	ø14 Straight Mount		
Focal Length	3.3~10.0mm		Back Focus	5.7~12.3mm		
Fno.	F1.3		Flange Back	13.8mm		
Designed Image Format	1/2.7" (ø 6.75)		Exit Pupil	-66.7 ~ -21.1mm		
Operation Range	Iris	F1.3-F360	Filter Size	-		
	Focus	0.5m~ ∞	Aperture	Front	ø 15.9mm	
	Zoom	3.3~10.0mm		Rear	ø 6.5mm	
Control	Iris	DC Galvanometer	Dimension	ø29 x 37.9mm		
	Focus	Mortorized		Weight	24g	
	Zoom	Mortorized				
Object Size at MOD	Wide	692.0x1105.9mm				
	Tele	214.2x288.9mm				
Field of View	D	125.3°~39.5°	16:9	129.3°~40.5°		
	H	94.5°~31.6°		108.2°~35.4°		
	V	68.3°~23.7°		56.2°~19.8°		
Control	Iris	Focus	Zoom			
Motor type	Galvanometer	PM type stepping motor	PM type stepping motor			
Driving Coil/Supply Volt.	190Ω	-	-			
Damping Coil/Current	855Ω	-	-			
IR cut filter	-	-	-			
Operation voltage		2.8V ~ 3.6V	2.8V ~ 3.6V			
Coil resistance		28.5Ω/phase ±7%	28.5Ω/phase ±7%			
Excite driving method		1-2phase Bipolar Constant voltage	1-2phase Bipolar Constant voltage			
Reduction ratio		1/131.574	1/131.574			
Step angle		0.171°	0.171°			
Insulation resistance		1MΩ or more	1MΩ or more			
Light Measuring Method		-	-			
Input Signal		-	-			
Iris Accuracy		-	-			
Sensitivity Adjustment		-	-			
Operating Temperature		-10 ~ +50 degree C				

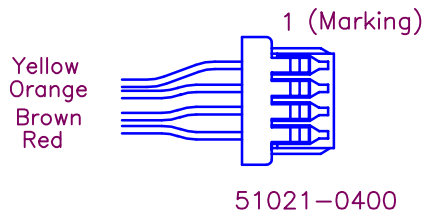
DIMENSIONS



MSVF3X3313IR-BCD-MD

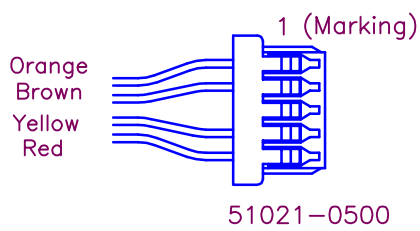
CONNECTION & CONTROL

(1) Auto Iris terminal



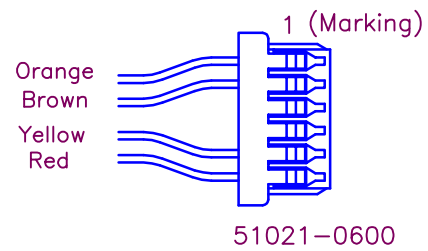
Pin number	Color	Assignment
1	Yellow	Dump +
2	Orange	Dump -
3	Brown	Drive +
4	Red	Drive -

(2) Zoom Motor Control terminal



Pin number	Color	Assignment
1	Orange	B
2	Brown	A
3	N/A	N/A
4	Yellow	<u>B</u>
5	Red	<u>A</u>

(3) Focus Motor Control terminal



Pin number	Color	Assignment
1	Orange	B
2	Brown	A
3	N/A	N/A
4	N/A	N/A
5	Yellow	<u>B</u>
6	Red	<u>A</u>

(4) Zoom/Focus Motor Control Excitation pattern



Excite Pattern of CW revolution				
Step	A	<u>A</u>	B	<u>B</u>
0	H	L	H	L
1	L	L	H	L
2	L	H	H	L
3	L	H	L	L
4	L	H	L	H
5	L	L	L	H
6	H	L	L	H
7	H	L	L	L