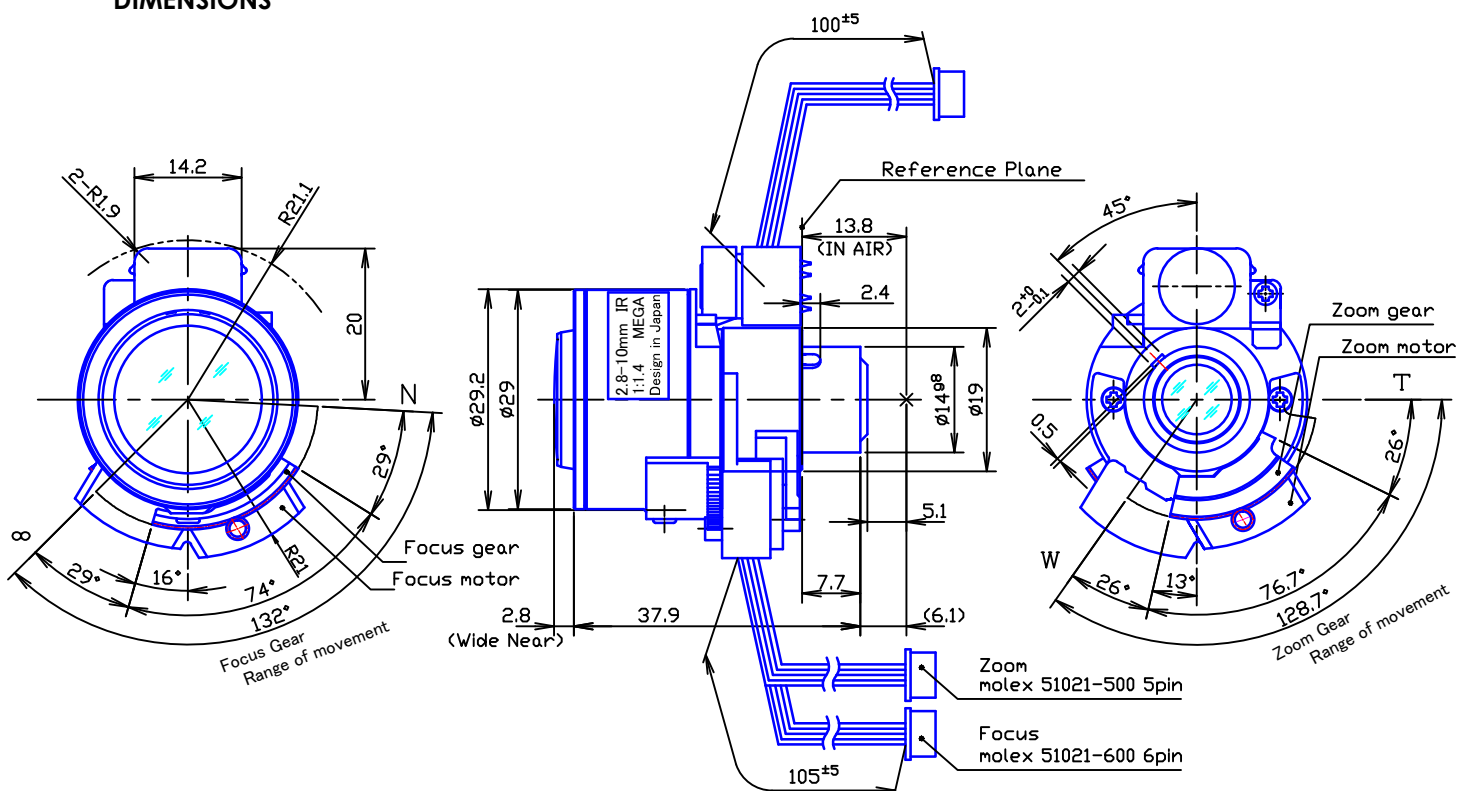


MTVF3.6X2814IR-BCD-MD

Type	AI VARI		Mount	ø14 Straight Mount
Focal Length	2.8~10.0mm		Back Focus	5.4~12.3mm
Fno.	F1.4		Flange Back	13.8mm
Designed Image Format	1/3"(4.8x3.6mm)		Exit Pupil	-103.3 ~ -21.5mm
Operation Range	Iris	F1.4~F360	Filter Size	-
	Focus	0.5m~ ∞	Aperture	Front ø 15.9mm
	Zoom	2.8~10.0mm		Rear ø 6.6mm
Control	Iris	DC Galvanometer	Dimension	ø29 x 37.9mm
	Focus	Mortorized		
	Zoom	Mortorized		
Object Size at MOD	Wide	692.5x1106.4mm		
	Tele	194.4x261.8mm		
Field of View	D	131.5°~36.0°	1/4"	91.6°~27.0°
	H	98.8°~28.8°		71.1°~21.6°
	V	71.1°~21.6°		52.2°~16.2°
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			

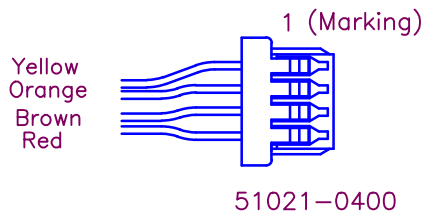
DIMENSIONS



MTVF3.6X2814IR-BCD-MD

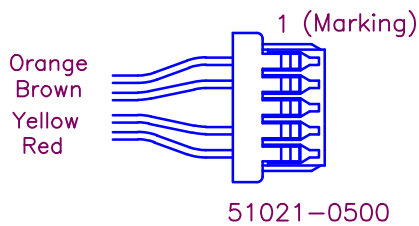
CONNECTION & CONTROL

(1) Auto Iris terminal



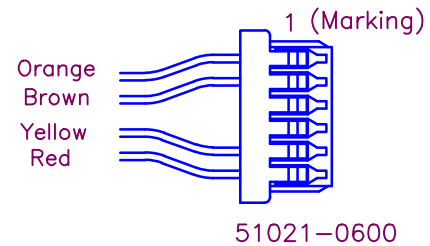
Pin number	Color	Assignment
1	Yellow	Dump +
2	Orange	Dump -
3	Brown	Drive +
4	Red	Drive -

(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