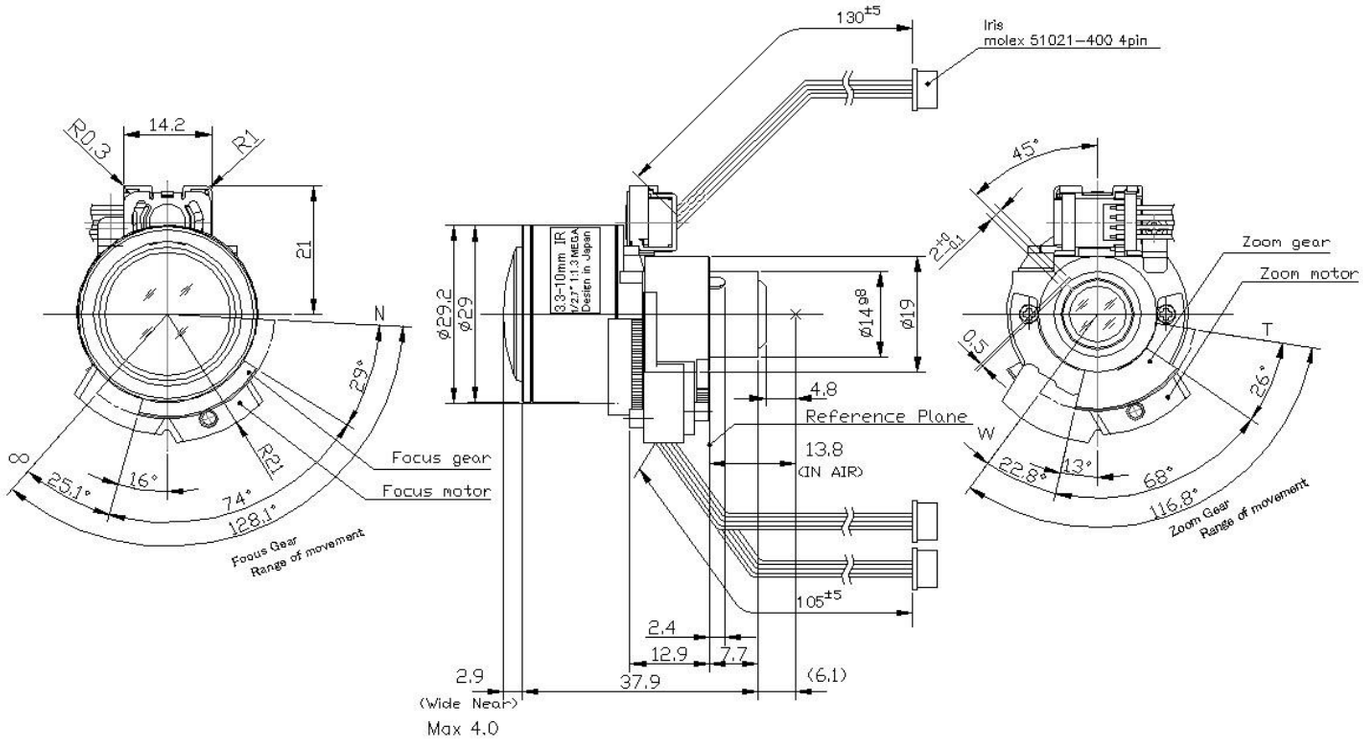
MSVF3X3313IR2-BCP-MD

Type		AI VARI	Mount		φ 14 Straight Mount
Focal Length		3.3～10.0mm	Back Focus		5.481～11.97mm
Fno.		F1.3	Flange Back		13.8mm
Designed Image Format		1/2.7"(φ 6.75mm)	Exit Pupil		-78.418 ～ -21.693mm
Operation Range	Iris	F1.3-F16-Closed	Filter Size		-
	Focus	0.5m～∞	Aperture	Front	φ 19.5mm
	Zoom	3.3～10.0mm		Rear	φ 7.0mm
Control	Iris	Mortorized			
	Focus	Mortorized	Dimension		φ 29 x 37.9mm
	Zoom	Mortorized	Weight		(30g)
	ICR	DC Galvanometer			
Object Size at MOD	Wide	683x1090mm	526x1319mm		
	Tele	216x291mm	176x319mm		
Field of View	D	4:3 Screen 126° ～40°	16:9 Screen 126° ～40°		
	H	94° ～32°	104° ～35°		
	V	67° ～24°	54° - 20°		

Control	Iris	Focus	Zoom	
Motor type	PM type stepping motor	PM type stepping motor	PM type stepping motor	
Operation voltage	2.6V ～ 3.8V	2.8V ～ 3.6V	2.8V ～ 3.6V	
Coil resistance	28.5Ω /phase ±10%	28.5Ω /phase ±7%		
Excite driving method	2phase Bipolar Constant voltage	1-2phase Bipolar Constant voltage	1-2phase Bipolar Constant voltage	
Reduction ratio	-	1/131.574	1/131.574	
Step angle	0.709°	0.171°	0.171°	
Insulation resistance	1MΩ or more	1MΩ or more	1MΩ or more	

Light Measuring Method	-
Input Signal	-
Iris Accuracy	-
Sensitivity Adjustment	-
Operating Temperature	-10 ～+50 ℃

DIMENSIONS

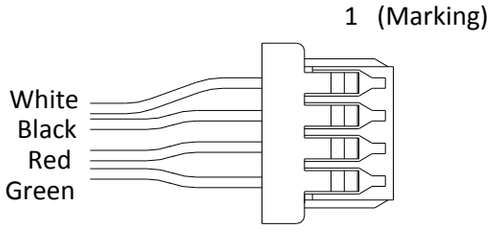


Subject to change without notice

MSVF3X3313IR2-BCP-MD

CONNECTION & CONTOROL

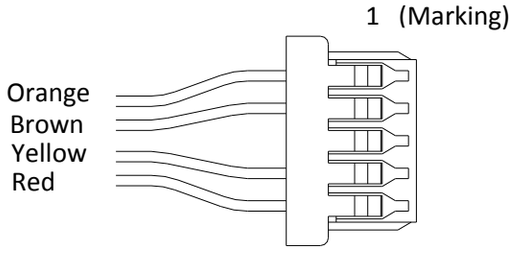
(1) Auto Iris terminal



51021-0400

Pin number	Color	Assignment
1	White	$\overline{A}$
2	Black	B
3	Red	A
4	Green	$\overline{B}$

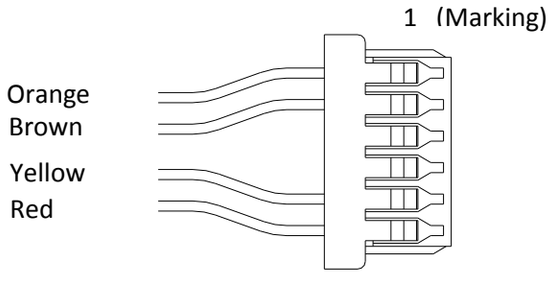
(2) Zoom Moter Control terminal



51021-0500

Pin number	Color	Assignment
1	Orange	B
2	Brown	A
3	N/A	N/A
4	Yellow	$\overline{B}$
5	Red	$\overline{A}$

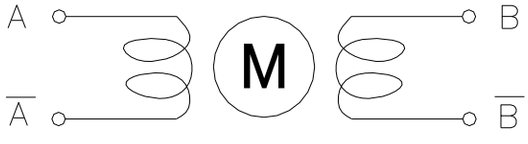
(3) Focus Moter Control terminal



51021-0600

Pin number	Color	Assignment
1	Orange	B
2	Brown	A
3	N/A	N/A
4	N/A	N/A
5	Yellow	$\overline{B}$
6	Red	$\overline{A}$

(5)Moter Control Excitation pattern



Motor connection

Iris CW: Open → Close

Excite Pottem of CW revolution				
Step	A	$\overline{A}$	B	$\overline{B}$
0	H	L	H	L
1	L	H	H	L
2	L	H	L	H
3	H	L	L	H

Focus & Zoom

Excite Pottem of CW revolution				
Step	A	$\overline{A}$	B	$\overline{B}$
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