

BLVZ1P3280MP12-IR

OPTICAL SPEC.

- (1) Focal Length 32-80 mm +/-5 %
 (2) F Number F 2.6(Wide) to F 2.6(Telephoto) +/-5 %
 (3) Effective Image Size Φ 17.6 mm
 (4) Back Focal Length 16,418 mm
 (5) Flange Back Focus 17.526 mm +0.05 mm
 (6) Object Distance 3.0 m
 (7) Angle of View Wide 30.9° x 22.6° to Telephoto 9.28° x 6.86°
 (8) Resolution

Wide		Telephoto	
Center	Corner	Center	Corner
120 lp/mm	100 lp/mm	120 lp/mm	100 lp/mm

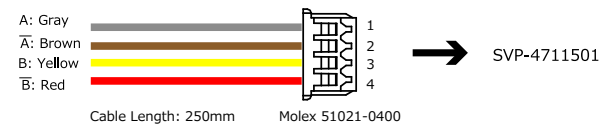
The thickness of inside glass filter is 1.5 mm

FOCUSING SYSTEM

- (1) Operation Method Stepping Motor Drive
 (2) Rated Voltage DC 3.3V
 (3) Excitation Method 2 Phase Excitation
 (4) Drive Mode Bi-polar Drive
 (5) Coil Resistance 20 Ω +/-7%
 (6) Step Angle 0.088°
 (7) Noise 60dB (Max.)
 (8) Output Gear Toruque 200gf-cm (Min.)
 (9) Max. Starting Frequency 800 pps (Min.)
 (10) Max. Slewing Frequency 1,100 pps (Min.)
 (11) Sequence Of Excitation

step phase	1	2	3	4
A	H	H	L	L
$\bar{A}$	L	L	H	H
B	L	H	H	L
$\bar{B}$	H	L	L	H

(12) Wiring



- (13) Rotation Angle 100°
 (14) Step Number 7,102
 Start:0 End: 7,102

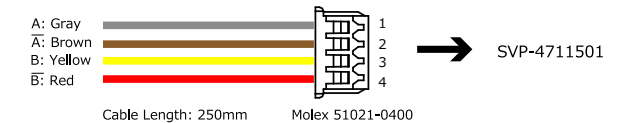
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ZOOMING SYSTEM

- (1) Operation Method Stepping Motor Drive
 (2) Rated Voltage DC 3.3V
 (3) Excitation Method 2 Phase Excitation
 (4) Drive Mode Bi-polar Drive
 (5) Coil Resistance 20 Ω +/-7%
 (6) Step Angle 0.088°
 (7) Noise 60dB (Max.)
 (8) Output Gear Toruque 200gf-cm (Min.)
 (9) Max. Starting Frequency 800 pps (Min.)
 (10) Max. Slewing Frequency 1,100 pps (Min.)
 (11) Sequence Of Excitation

step phase	1	2	3	4
A	H	H	L	L
$\bar{A}$	L	L	H	H
B	L	H	H	L
$\bar{B}$	H	L	L	H

(12) Wiring



- (13) Rotation Angle 100°
 (14) Step Number 14,914

Step Number	Focal Length	Step Number	Focal Length
0	32mm	10,437	60mm
1,491	35mm	11,928	65mm
3,876	40mm	13,121	70mm
5,964	45mm	14,314	75mm
7,455	50mm	14,914	80mm
8,946	55mm		

Start:0 End:14,914

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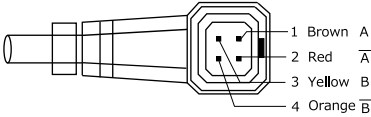
IRIS SYSTEM

- (1) Operation Method
- (2) Rated Voltage
- (3) Excitation Method
- (4) Drive Mode
- (5) Coil Resistance
- (9) Starting Frequency
- (11) Sequence Of Excitation

Stepping Motor Drive
DC 4.0V
2 Phase Excitation 2
Bi-polar Drive
48Ω +/-10%
200 pps (Min.)

pin No.		step phase	1	2	3	4
1	Brown	A	H	L	L	H
2	Red	$\bar{A}$	L	H	H	L
3	Yellow	B	H	H	L	L
4	Orange	$\bar{B}$	L	L	H	H

(12) Wiring



(14) Step Number

84 +3/-2

Step Number	F Number	Step Number	F Number
1	F2.6	44	F 6.5
2		45	F 6.8
3		46	F 7.1
4		47	F 7.5
5		48	F 7.9
6	F 2.6	49	F 8.3
7	F 2.6	50	F 8.8
8	F 2.65	51	F 9.3
9	F 2.68	52	F 9.9
10	F 2.7	53	F 10.6
11	F 2.75	54	F 11.2
12	F 2.79	55	F 12.1
13	F 2.83	56	F 13.0
14	F 2.88	57	F 14.0
15	F 2.92	58	F 15.2
16	F 2.97	59	F 16.6
17	F 3.0	60	F 18.1
18	F 3.0	61	F 19.9
19	F 3.1	62	F 22.0
20	F 3.2	63	F 24.5
21	F 3.25	64	F 27.3
22	F 3.3	65	F 30.7
23	F 3.39	66	F 34.8
24	F 3.46	67	F 40.0
25	F 3.5	68	F 45.6
26	F 3.6	69	F 52.7
27	F 3.7	70	F 61.3
28	F 3.8	71	F 71.9
29	F 3.9	72	F 85
30	F 4.0	73	F 101
31	F 4.1	74	F 123
32	F 4.2	75	F 153
33	F 4.35	76	F 194
34	F 4.48	77	F 255
35	F 4.63	78	F 349
36	F 4.78	79	F 500
37	F 4.94	80	F 790
38	F 5.1	81	F 1405
39	F 5.3	82	F 3139
40	F 5.5	83	F 12,000
41	F 5.7	84	Close
42	F 5.9		
43	F 6.2		

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