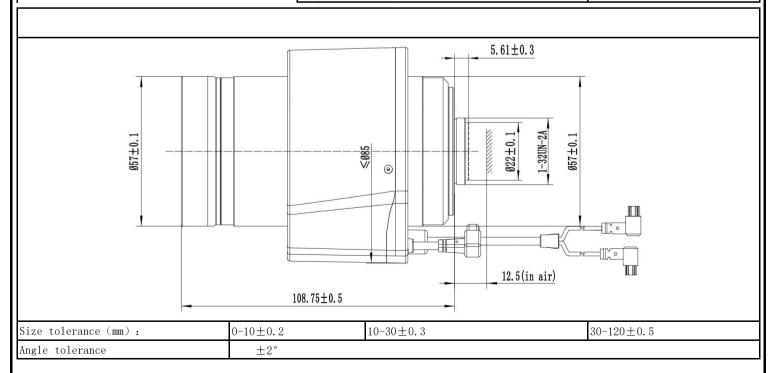
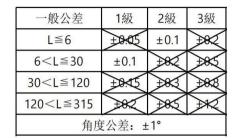
(Parameter of Lens)								
(Model):	BLVZ112P2070MP8-IR							
	(Resolution)		8 MegaPixel					
	(Image format) 1/1.2" (\$\phi\$12.8mm)							
	(Focal length) $20 \text{ (W) } ^{\sim}70 \text{ (T) } (\pm5\%\text{mm})$							
	(Aperture)		F1.3 (W) ~1.5 (T) (±5%mm)					
	(Mount)		CS					
		,, ,	1/1. (16)			(3" :3)		/1.8" 16:9)
	(Field Angle)		Wide	Tele	Wide	Tele	Wide	Tele
	D×H×V(°) ±5%	D	37. 3	10.8	31.7	9.3	25. 2	7.5
	± 5%	Н	32. 1	9.4	25	7.5	21.9	6.6
		V	17. 7	5.3	18.6	5.6	12.2	3.7
	(Optical Distortion)		-7.50%	0.8%	-5.4%	0.6%	-3.4%	0.4%
	(CRA)	RA) 4.1 2.7 4.60 2.00 4.50 1			1.10			
	(Weight) 534±5g							
	(Coating Range) 400-900nm							
	(M. O. D.) 3m (W) ~5m (T)							
	(Dimension) $\Phi 57 \times 108.75$ mm							
	(Flange BFL) 12.5±0.15mm (in air)							
			9.62mm (in air)					
	(MBF) 6.55mm (in air)							
(Relative illumin				mm (T)				
	(IR Correction) Yes							
	(Operation)	(Iris) (P-Iris)						
		(Focus) (Motorized)						
	(Zoom)		(Motorized)					
	(Operating temperatu	re)	-30°C ∼+70°C					



## (P-Iris)

(Model):

## BLVZ112P2070MP8-IR

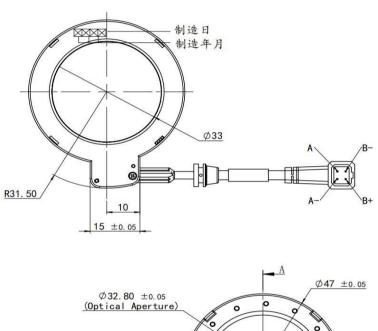


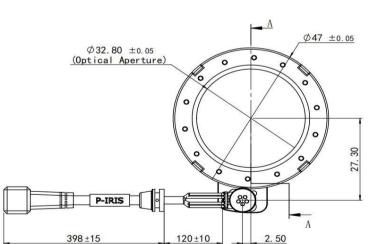
PHASE Step	A	Ā	В	B
1	Н	L	L	Н
2	Н	L	Н	L
3	L	Н	Н	L
4	L	Н	L	Н

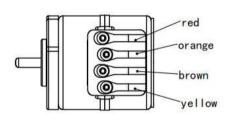


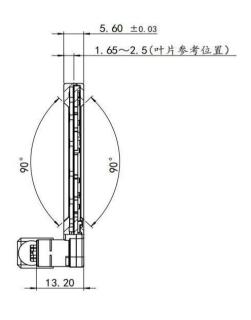
两线圈励磁方式及顺序 CLOSE→OPEN:1→2→3→4→1 OPEN→CLOSE:1→4→3→2→1

Open基准励磁: A: H、 A-: L、 B: L、 B-: H









A-A	(1.5)	1)
11 11	11.0	1/

Max. Image (	Circle	Ф32.8mm	Resistance	40±10%Ω (at 25°C)
	(brown)	В-	Rated Voltage	DC 3.3V
	(yellow)	A+	Operating Voltage	DC 3.3 -5.0V
Iris Wire	(red)	B+	Motor Step Angle	18° ±3° /step
	(orange)	A-	Output Step Angle	0.845° /step
Dimension	见尺寸图	=	Continuous Time	30 sec(at 2.7DCV)
Reduct	ion Ratio	1:21.3	Operating Environment	-40°C∼80°C

## (Motor) (Model): BLVZ112P2070MP8-IR SEQUENCE OF EXCITATION CONNECTION DIAGRAM Step 2 3 Phase A Ā +++ + B $\overline{\mathsf{B}}$ + + Output Shaft Rotation CW R40.3 CN1 ZOOM PIN NO. COLOR (1) (ZOOM A+) YELLOW 棕 (ZOOM A-) BROWN (2)(3) (ZOOM B+) ORANGE 橙

55±5

ELECTRICAL CHARACTERISTIC

1. RATED VOLTAGE: 5V DC

2. COIL RESISTANCE:  $30 \Omega \pm 7\%$ 

3. No. OF PHASES: 2PHASES

4. STEP ANGLE: 18° /STEP

5. EXCITATION METHOD: 2-2PHASE EXCITATION

6. DRIVE MODE: BI-POLAR DRIVE

7. MAX. STARTING PULSE RATE: 1200PPS Min. /5VDC

8. MAX. SLEWING PULSE RATE: 2500PPS Min. /5VDC

9. IN SULATION CLASS: CLASS E FOR COILS

10. SPEED REDUCING RATION: 1:172. 1

11. INSULATION RESISTANCE: 5M  $\Omega$  Min. /100 VDC

12. INSULATION STRENGTH: 3mA max. 100VAC/1 SECOND

13. OPERATING TEMPERATURE RANGE: -40~+80°C

14. OUTPUT TORQUE: 300gf-cm (min) AT 500pps 5VDC

## CN2 FOCUS

(4)

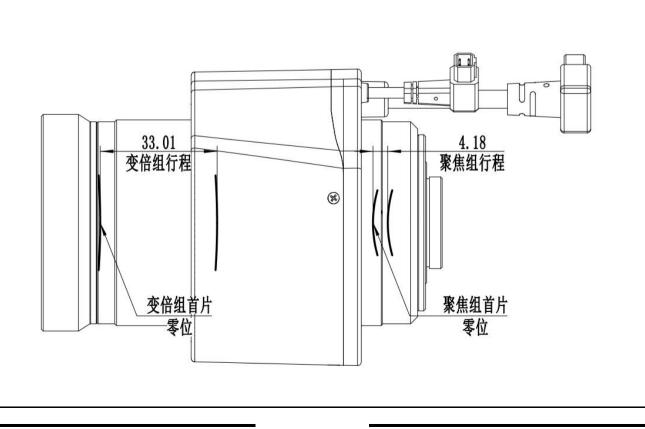
PIN NO.	COLOR	
1)	(FOCUS A+) RED	红
2	(FOCUS A-) WHITE	白
3	(FOCUS B+)BLACK	黑
4	(FOCUS B-) BLUE	蓝

(ZOOM B-) GREEN

绿

输出也	步参数
压力角	20°
模数	0.3
齿数	14
齿顶圆直径	ф 4. 8
分度圆直径	ф 4. 2
齿根圆直径	ф 3. 39
精度等级	JGMA-116-02 4级

(Model):	BLV2	Z112P2070MP8-IR
	ZOOM	FOCUS
1	0	7671. 9
1. 3	3456. 1	5315. 1
1.6	6175. 4	3811. 3
1.9	8263. 1	3128. 0
2. 2	10017. 5	3127. 2
2. 5	11403. 5	3716. 5
2.8	12631. 5	4878. 3
3. 1	13701. 7	6577. 4
3. 4	14491. 2	8388.3



(то	st Standard )			
	del):		BLVZ112P2070MP8-IR	
	Test Items	Test Content		
		Test Conditions	Flange Back Length:12.5mm(in air) Plate Glass Thickness:1.0±0.2mm Project Distance: Wide:3m,with RL7035 Relay Lens长 Tele:3m,with RL7035 Relay Lens	
		Center≽	250 lp/mm(Wide), 200 lp/mm(Tele)	
1	Resolution Test	ф10≥	125 lp/mm(Wide), 125 lp/mm(Tele)	
		ф12≽	100 lp/mm(Wide), 100 lp/mm(Tele)	
		Image Stardard	The central shadow within the detection range was less than 1 times., Fog $\leq 1.5$ times, Long focal edge drag shadow $\leq 1$ times, Drag Shadow on short focal edge $\leq 1$ times.	
	Environment	≤1 lux		
2	Appearance	Inside Lens Barrel  Outside Lens Barrel	60 Scratch: The maximum scratch width is allowed to be 0.06mm, scratch length on the first surface<1mm, scratch length on other surface<Φ/4. Scratch total length<Φ/2.  40 Bright Spots: (the size of the bright spot is determined by the longest side)The maximum bright spot size is allowed to be 0.4mm, only one in the middle and edge regions. Two bright spots is allowed when the size ≤0.2mm, and the distance must≥1mm;  The lens barrel has no obvious color difference, scratch, break, deformation; the glue is not	
	本	Appearance	allowed to overflow into the clear aperture;  Cable and connector of iris have no obvious break, deformation, length of pins must be same.	
3	3 光 Auto Iris	Appearance	Open and close normally.	

(Re	eliability and Environmental 7	Testing)
(Mc	odel):	BLVZ112P2070MP8-IR
	Test Items	Test Content
1	Temperature Cycling Test	Lens is placed on two cycles in the test temperature (- $30\pm3)$ °C for 1.5 hours and in $(70\pm3)$ °C for 3 hours separately. Then, the indicators are qualified after placing the lens at room temperature for 24 hours.
2	Damp heat test	Lens is placed in the test temperature $(70\pm3)^{\circ}$ C, humidity 85% RH for 48 hours. Then, the indicators are qualified after placing the lens at room temperature for 24 hours.
3	Drop Test	Lens drops from the height of $(1\pm 0.1\text{m})$ to the concrete ground. After the testing, the indicators are qualified.
4	Vibration Test	Lens vibrates 2h in sinusoidal wave under 1 mm of amplitude and 50Hz of frequency. After the testing, refocus the lens, the indicators are qualified.

Model):  . After the lens is covered standard;	BLVZ112P2070MP8-IR
	with the cover, attach the internal
2. Put the lens into the line and instructions;	ed paper box, and put in the desiccant
B. Cover the inner lining coexternal label;	ver, pack the carton, and affix the
4. Seal the corrugated box	with tape and mark the surface.