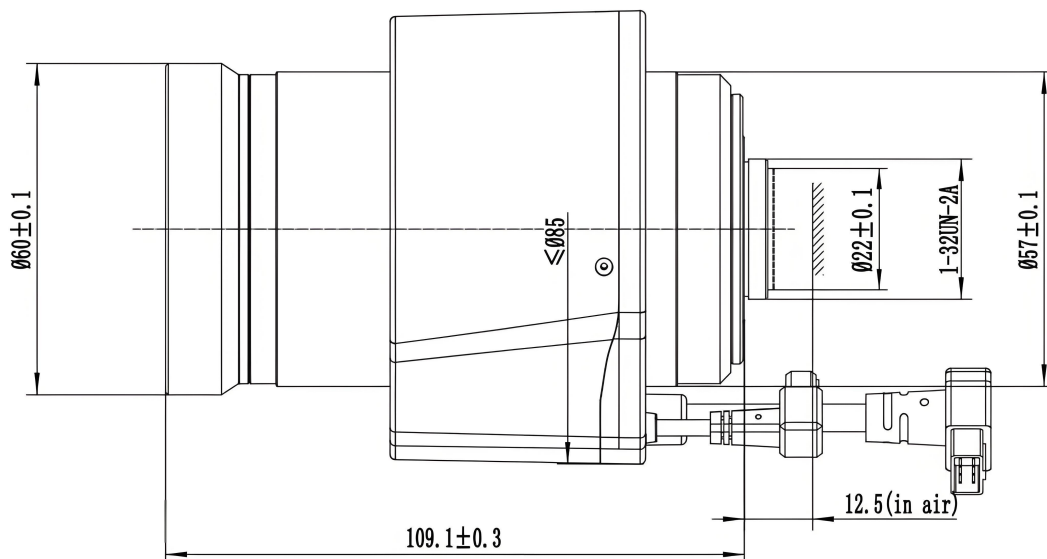


JC-MZ2070-8MP

Model No.	JC-MZ2070-8MP		
Focal Length	20-70mm($\pm 5\%$ mm)		
Sensor Size	1/1.2" ($\phi 12.8$ mm)		
F No.	F1.3-F1.5($\pm 5\%$ mm)		
Mount	CS-Mount		
FOV(D*H*V) $\pm 5\%$	1/1.2"	W:37.3° x32.1° x17.7°	T:10.8° x9.4° x5.3°
	2/3"	W:31.7° x25° x18.6°	T:9.3° x7.5° x5.6°
	1/1.8"	W:25.2° x21.9° x12.2°	T:7.5° x6.6° x3.7°
Optical Distortion	1/1.2"	W:-7.50%	T:0.8%
	2/3"	W:-5.4%	T:0.6%
	1/1.8"	W:-3.4%	T:0.4%
CRA	1/1.2"	W:4.1	T:2.7
	2/3"	W:4.6	T:2.0
	1/1.8"	W:4.5	T:1.1
Weight	534g ± 5 g		
Coating Range	400-900nm		
M.O.D	3m~5m		
Dimension	$\Phi 60 \times 109.1$ mm		
Flange BFL	12.5 ± 0.15 mm(in air)		
BFL	9.62mm(in air)		
MBF	6.55mm(in air)		
Relative Illuminance	W:42%@ $\phi 12.8$ mm		T:40%@ $\phi 12.8$ mm
IR Correction	Yes		
Operation	Iris		P-Iris
	Focus		Motorized
	Zoom		Motorized
Temperature Range	-30°C~+70°C		

PRODUCT SIZE:(mm)



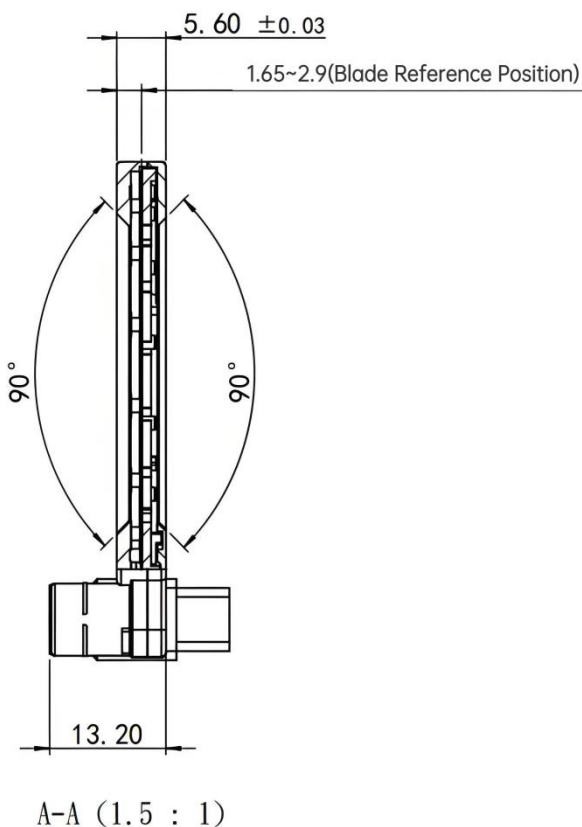
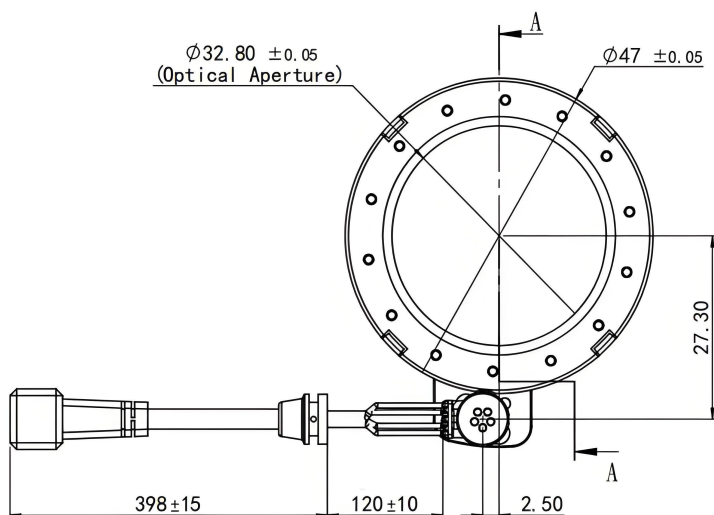
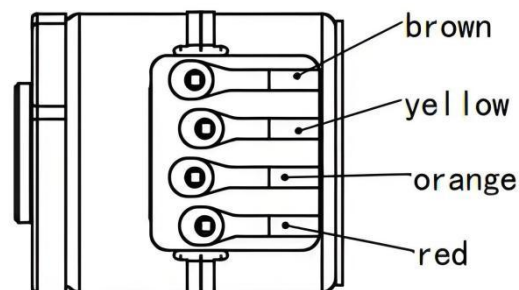
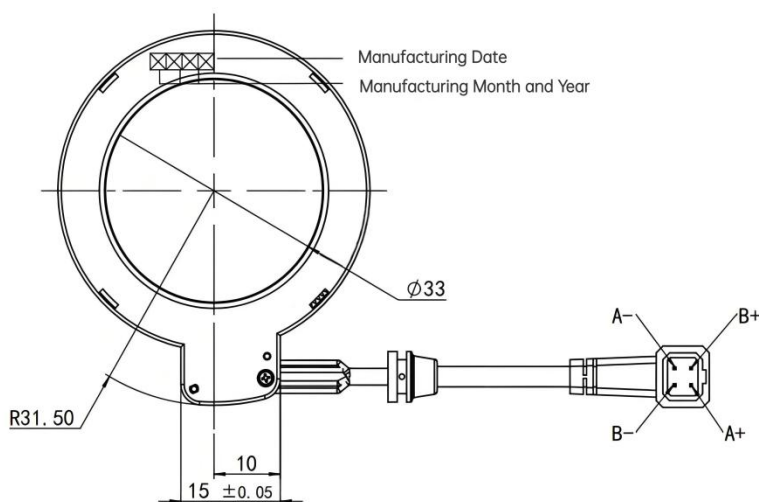
General Tolerances	Level 1	Level 2	Level 3
$L \leq 6$	± 0.05	± 0.1	± 0.2
$6 < L \leq 30$	± 0.1	± 0.2	± 0.5
$30 < L \leq 120$	± 0.15	± 0.3	± 0.8
$120 < L \leq 315$	± 0.2	± 0.5	± 1.2
Angle Tolerances: $\pm 1^\circ$			

PHASE Step	A	$\bar{A}$	B	$\bar{B}$
1	H	L	L	H
2	H	L	H	L
3	L	H	H	L
4	L	H	L	H



Excitation method and sequence of two coils
 CLOSE $\rightarrow$ OPEN: 1 $\rightarrow$ 2 $\rightarrow$ 3 $\rightarrow$ 4 $\rightarrow$ 1
 OPEN $\rightarrow$ CLOSE: 1 $\rightarrow$ 4 $\rightarrow$ 3 $\rightarrow$ 2 $\rightarrow$ 1

Open Standard Excitation: A: H、 $\bar{A}$: L、B: L、 $\bar{B}$: H

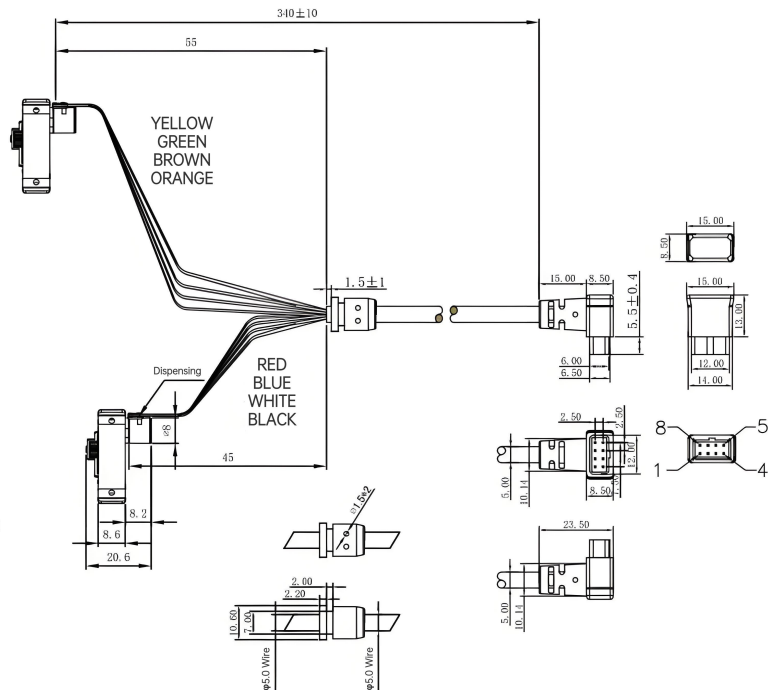
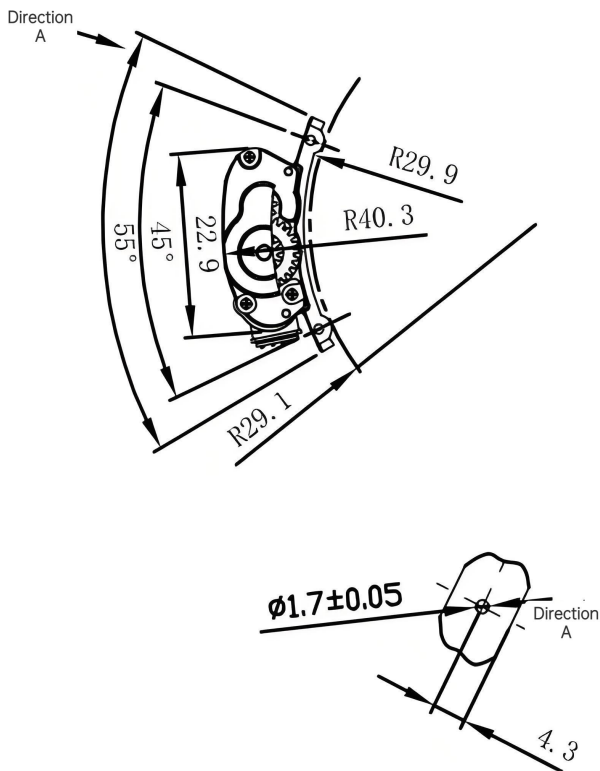
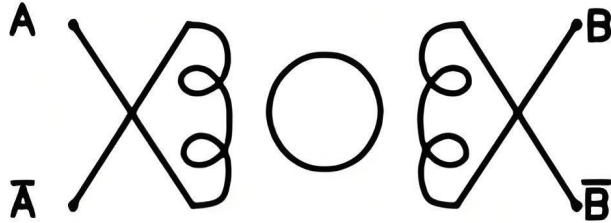


SEQUENCE OF EXCITATION

Step Phase	1	2	3	4
A	+	+	—	—
$\bar{A}$	—	—	+	+
B	—	+	+	—
$\bar{B}$	+	—	—	+

Output Shaft Rotation CW

CONNECTION DIAGRAM



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 RATON: 1:172.1
11. INSULATION RESISTANCE: $5M\Omega$ Min. /100 VDC
12. INSULATION STRENGTH: 3mA max. 100VAC/1 SECOND
13. OPERATING TEMPERATURE RANGE: $-40 \sim +80^\circ\text{C}$
14. OUTPUT TORQUE: 300gf-cm(min) AT 500pps 5VDC

PIN NO.	COLOR
①	(FOCUS A+) BLACK
②	(FOCUS A-) BLUE
③	(ZOOM A+) ORANGE
④	(ZOOM A-) GREEN
⑤	(ZOOM B+) YELLOW
⑥	(ZOOM B-) BROWN
⑦	(FOCUS B-) WHITE
⑧	(FOCUS B+) RED

Output Shaft Parameters	
Pressure Angle	20°
Modulus	0.3
Shaft Number	14
Shaft Tip Circle Diameter	φ 4.8
Pitch Circle Diameter	φ 4.2
Shaft Root Circle Diameter	φ 3.39
Accuracy Level	JGMA-116-02 Level 4