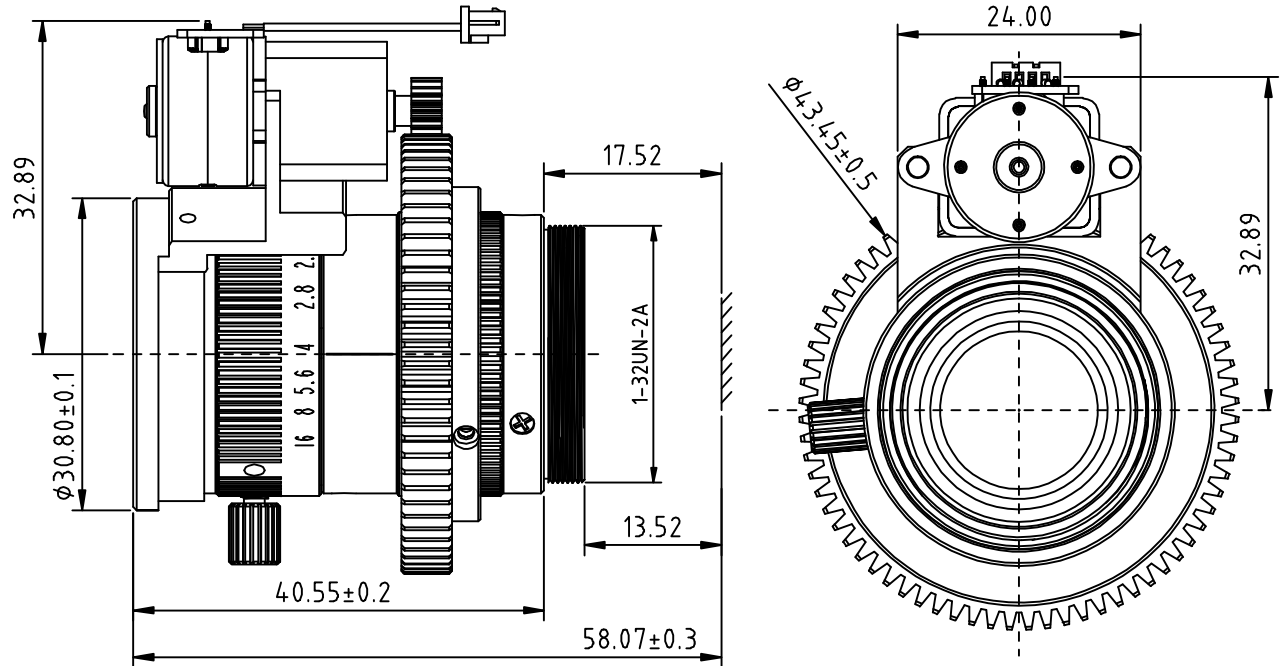


NO.	ITEM		SPECIFITION		NOTE	
1	IMAGE FORMAT		2/3"			
2	IMAGE CIRCLE		ø13.00		Max	
3	OPTICAL EFL		16.0±0.3		0.20M	
4	APERTURE		2.0			
5	RESOLUTION		10MP			
6	SYSTEM TTL		58.07±0.3mm			
7	FIELD OF VIEW	4:3	0.20M	D	H	V
		2/3"		36.5°	29.6°	22.5°
		1/2"		27.1°	21.8°	16.5°
8	CHIEF RAY ANGLE		< 9°			
9	ILLUMINATION		80.0%			
10	DISTORTION		< -0.1%			
11	OPTICAL BFL		/			
12	MECHANICAL BFL		13.52		Min	
13	DIMENSION		ø30.8x40.55mm			
14	MOUNT		C			
15	IR CORRETION		/			
16	ELEMENT		/			
17	WAVELENGTH		420-700			
18	M.O.D		0.07M			
19	TEMPERATURE		-20°C ~ +70°C			
20	ZOOM OPERATION		FIXED			
21	IRIS OPERATION		MANUAL			
22	FOCUS OPERATION		MANUAL			



Working Distance	Optical Magnification	2/3" (4:3)		1/1.8" (4:3)		1/2" (4:3)	
		8.8(H)	6.6(V)	7.04(H)	5.28(V)	6.4(H)	4.8(V)
70	0.212378	41.4097	31.0233	33.0984	24.8046	30.0805	22.5459
100	0.152372	57.7597	43.2918	46.1840	34.6201	41.9773	31.4688
150	0.103786	84.8537	63.6225	67.8689	50.8862	61.6925	46.2564
200	0.078742	111.8779	83.9006	89.4977	67.1099	81.3563	61.0053
250	0.063453	138.8644	104.1504	111.0964	83.3111	100.9929	75.7337
300	0.053139	165.8388	124.3907	132.6849	99.5045	120.6203	90.4551
350	0.045713	192.7996	144.6209	154.2629	115.6898	140.2378	105.1691
400	0.040106	219.7688	164.8565	175.8464	131.8791	159.8604	119.8865
450	0.035728	246.7135	185.0748	197.4116	148.0549	179.4665	134.5921
500	0.032210	273.6736	205.3035	218.9878	164.2387	199.0824	149.3045
550	0.029323	300.6364	225.5271	240.5587	180.4184	218.6934	164.0134
600	0.026912	327.5644	245.7403	262.1184	196.5902	238.2945	178.7151
650	0.024867	354.5133	265.9608	283.6859	212.7675	257.9026	193.4217
700	0.023111	381.4595	286.1794	305.2515	228.9434	277.5088	208.1271
750	0.021587	408.4071	306.3989	326.8181	245.1199	297.1159	222.8331
800	0.020251	425.353	326.6174	348.3834	261.2955	316.7219	237.5381
850	0.019071	462.2951	346.8331	369.9458	277.4691	336.3253	252.2414
900	0.018021	489.2405	367.0509	391.5106	293.6443	355.9309	266.9462
950	0.017081	516.1751	387.2613	413.0672	309.8136	375.5291	281.6456
1000	0.016233	543.1223	407.4804	434.6334	325.9898	395.1358	296.3512

NAME	Motorized Focus FA Lens	UNTIS	mm
MODEL	SMZ-MV1620-10M	SCALE	1:1
		REV.	A
		WEIGHT	

CONNECTION DIAGRAM



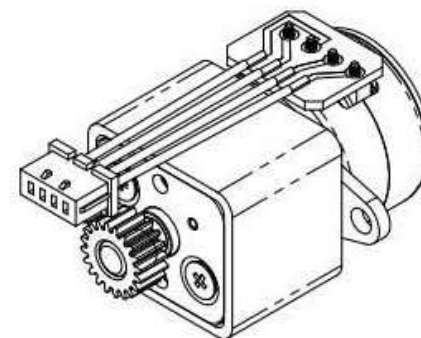
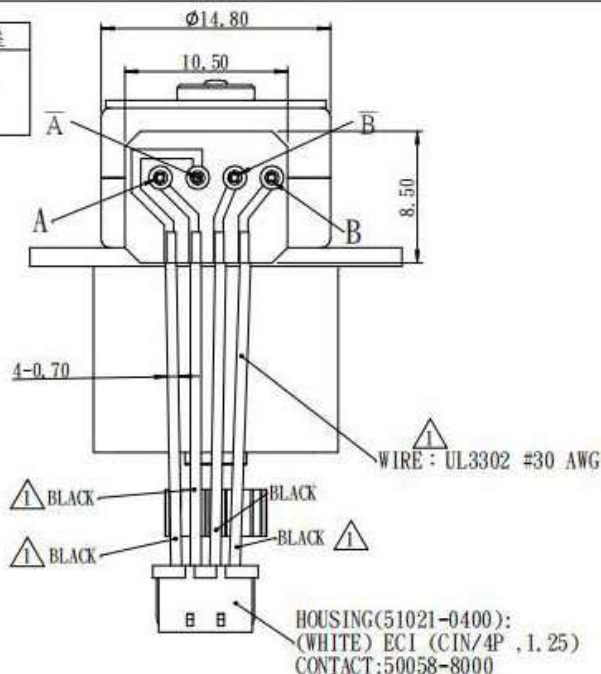
SEQUENCE OF EXCITATION

STEP	1	2	3	4	5	6	7	8
A	H	H	H	OFF	L	L	L	OFF
A-bar	L	L	L	OFF	H	H	H	OFF
B	L	OFF	H	H	H	OFF	L	L
B-bar	H	OFF	L	L	L	OFF	H	H

OUTPUT SHAFT ROTATION CCW

未標注尺寸公差		未標注角度公差	
≤6	±0.3	-	±5°
>6≤30	±0.5		
>30	±0.8		

PIN	CABLE WIRE COLOUR	PHASE
1	BLACK	A
2	BLACK	A
3	BLACK	B
4	BLACK	B



出力齒輪參數

材質	C3604BD
模數	0.3
壓力角	20°
齒數	20
齒冠圓直徑	φ6.6 ^{+0.1} _{-0.1}
節圓直徑	φ6.0
齒根圓直徑	φ5.25 ^{+0.1} _{-0.1}
轉位係數	0
精度	JGMA-116-02 5級

ELECTRICAL CHARACTERISTIC

1.Standard Operating Conditions

- (1) Rated VOLTAGE : 3.5 V DC
- (2) Excitation Method : 2 Phase Excitation
- (3) NO Of Phases : 2 Phases
- (4) Operating Temperature Range : -10°C ~ +70°C
- (5) Storage Temperature : -10°C ~ +70°C

2.Standard Test Environment

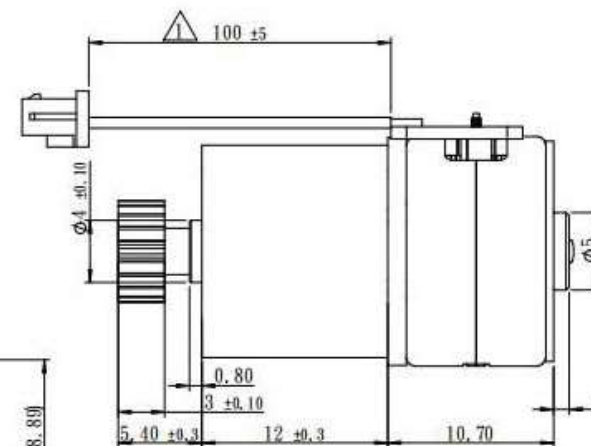
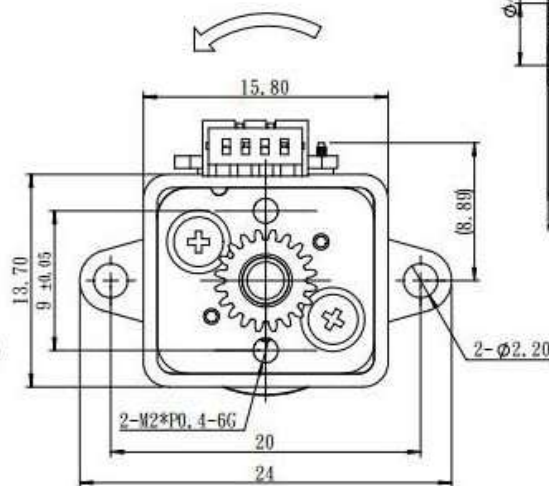
Every characteristic inspected must be at normal temperature and humidity carried out if there no special notes ,the normal temperature 23°C±5°C and relative humidity 65%±10% RH is made for the specification standard testing environment.

3.Electrical Specification

- (1) Coil Resistance : 10Ω±7%
- (2) Step Angle : 0.188° /Step
- (3) Withstand Voltage : AC 200 V/ 3mA (for 1 second between case and coil)
- (4) Insulation Resistance : 100M Ω(min.) (Between case and coil DC 200V)

4.Mechanical Specification

- (1) Transmission Ratio : 96:1
- (2) Output Gear Torque : 310 gf-cm (min.) (AT 3.5V,1285 pps ,1-2 phases)
- (3) Max. Starting Frequency : 1300 pps (min.) (AT 3.5V,1-2 phases)
- (4) Max. Slewing Frequency : 1500 pps (min.) (AT 3.5V,1-2 phases)
- (5) Mechanical Noise : 60dB(max.) (AT 3.5V ,1285 pps,1-2 phases,No-load, distance=10 cm)
- (6) Weight : 17.6 g(ref.)
- (7) Gear Separation Force : 1 kg (min.)



特性修正
依客戶要求修正特性