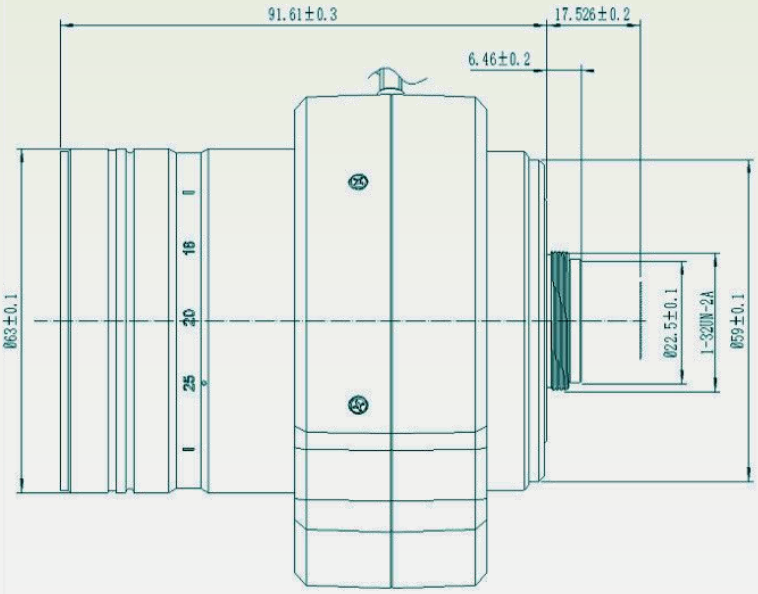
S1MZ1040(D/P/M)IR-12M （10-40mm 1" 12MP C P-iris）

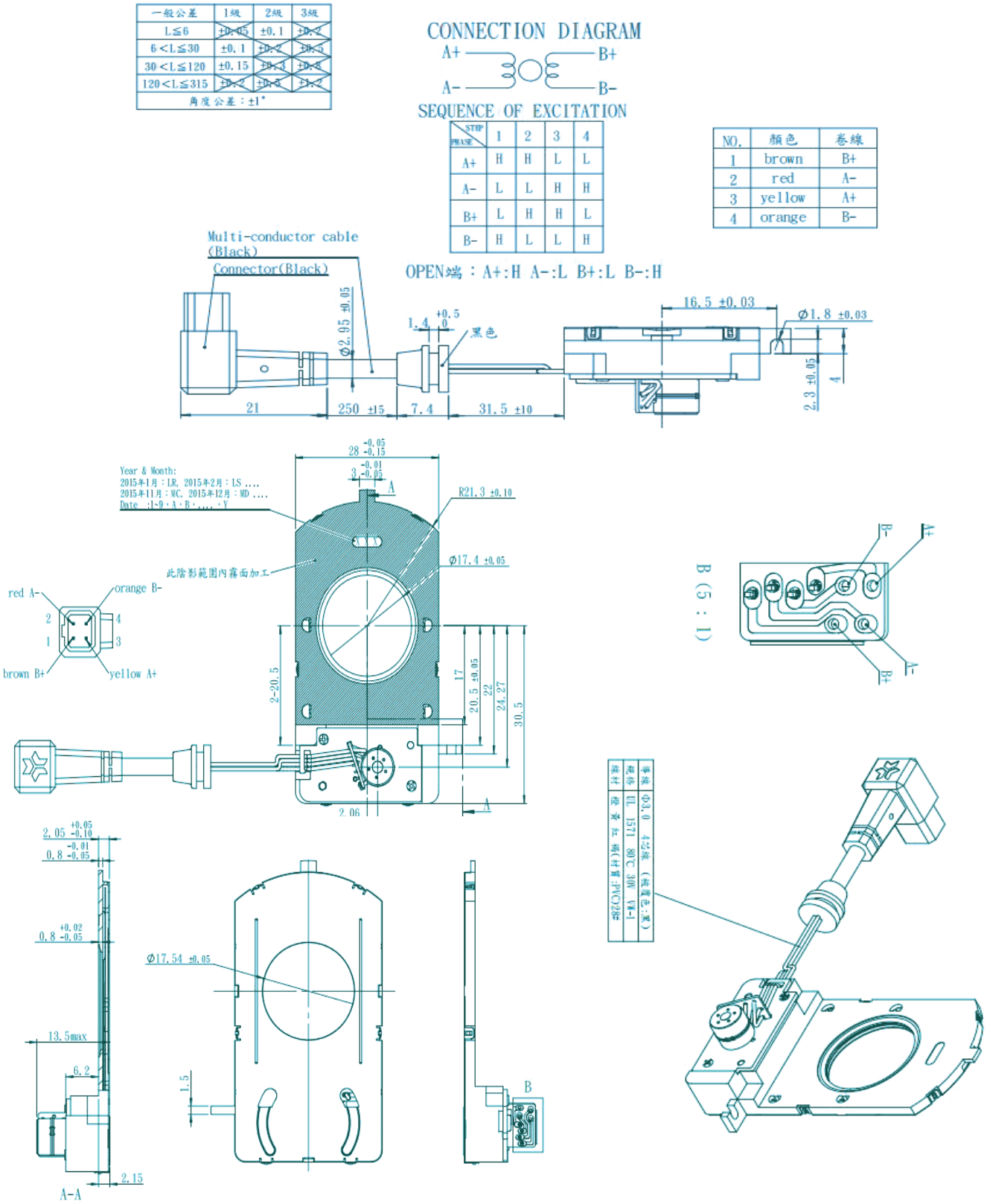
12MP 1"

1. 4K 12Megapixel high resolution 1200 万像素高清晰度
2. 1” sensor 大靶面 1 英寸
3. Big aperture F1.6 (DC iris, P-iris, 3motors optional) 大光圈 f1.6，自动光圈，三马达 / P-iris 可选
4. Application: Surveillance,ITS, Highway 国界、山河、高速公路等安防监控等



Model 型号		S1MZ1040(D/P/M)IR-12M
Resolution 像素		12 Megapixel
IR Corrected 日夜		IR (With filter 不等厚滤光片)
Format 靶面		1"
Focal Length 焦距		10-40mm
Aperture (Close/360) 光圈		F1.6 P-iris (DC / Manual optional)
Angle of View (°) 视场角	1"	68.5*54.6*41.5
	2/3"	48.2*38*23.7
	1/2"	35.7*27.9*24.9
M.O.D 最近物距		2.5m
Distortion 畸变		-8% ~ -4.8%
C.R.A 主光线夹角		<5.8° (wide); <4.9° (Tele)
B.F.L 光学后焦		11.6mm
M.F.L 机械后焦		10.97mm
Dimension 尺寸		Φ66*98.07
Mount 接口		C
Weight 重量		560g
Marks 备注		-20°~+60°
Character 特性		P:P-iris / M: 3 motors / D:DC iris

P-IRIS SPECIFICATION



一般公差	1级	2级	3级
L≦6	±0.05	±0.1	±0.2
6<L≦30	±0.1	±0.2	±0.3
30<L≦120	±0.15	±0.3	±0.5
120<L≦315	±0.2	±0.5	±1.2
角度公差：±1°			

STEP / PHASE	1	2	3	4
A+	H	H	L	L
A-	L	L	H	H
B+	L	H	H	L
B-	H	L	L	H

NO.	颜色	卷線
1	brown	B+
2	red	A-
3	yellow	A+
4	orange	B-

Max.Image Circle		Φ17.4mm	Resistance	30Ω±10%，25℃
Iris wire	Brown	B+	Rated Voltage	DC 4.0V
	Red	A-	Operating Voltage	DC 2.7~ 5V
	Yellow	A+	Motor Step Angle	18°±3°/step
	Orange	B-	Output Step Angle	0.845°/step
Dimension	51.8x28x15.65mm		Continuous Time	~30sec (at 2.7DCV)
Reduction ratio		1:21.3	Operating Environment	-30℃~70℃

MOTOR SPECIFICATION

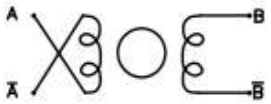
PIN NO 接线	CABLE COLOR 线颜色
①	BLACK 黑 (FOCUS A+)
②	BLUE 蓝 (FOCUS A-)
③	ORANGE 橙 (ZOOM A+)
④	GREEN 绿 (ZOOM A-)
⑤	YELLOW 黄 (ZOOM B+)
⑥	PURPLE 紫 (ZOOM B-)
⑦	RED 红 (FOCUS B+)
⑧	WHITE 白 (FOCUS B-)

SEQUENCE OF EXCITATION

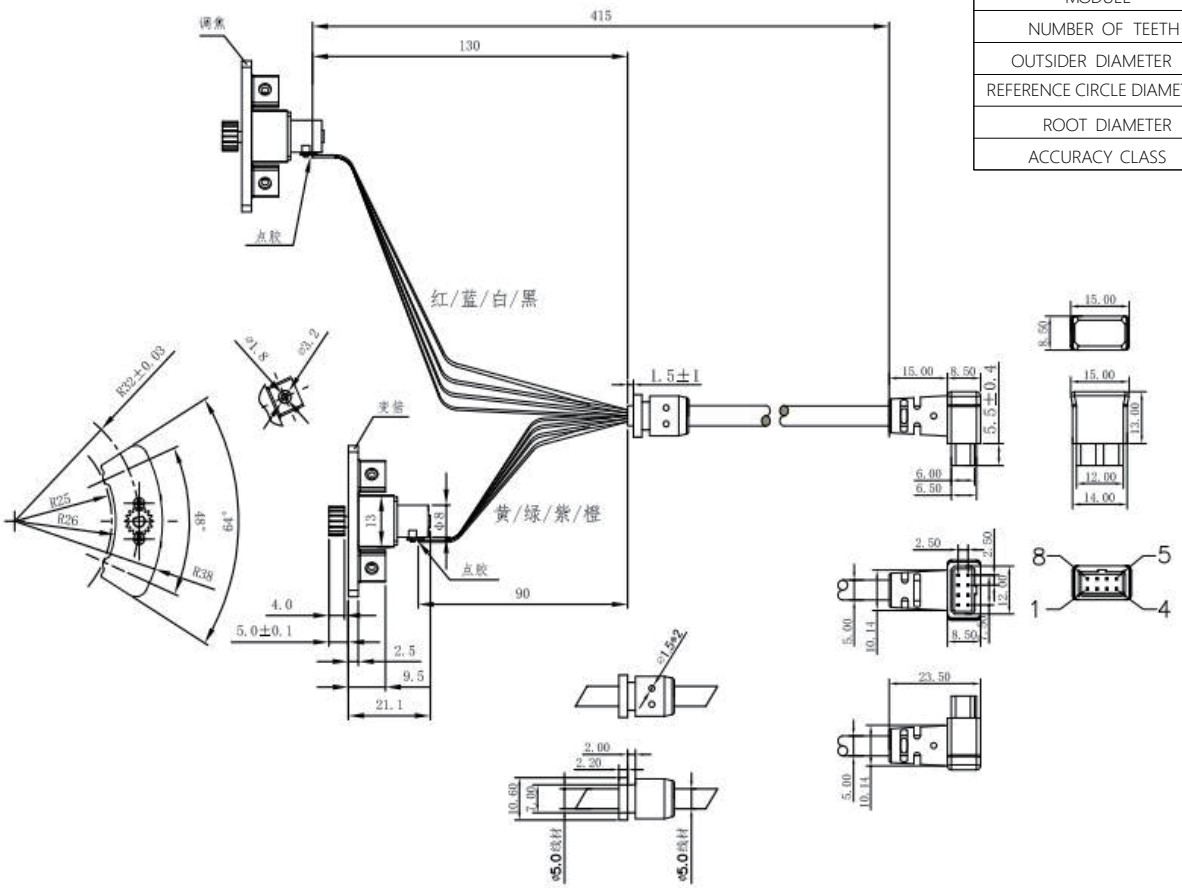
Step / Phase	1	2	3	4
A	+	+	−	−
$\bar{A}$	−	−	+	+
B	−	+	+	−
$\bar{B}$	+	−	−	+

Output Shaft Rotation CW

CONNECTION DIAGRAM



GEARPARAMETER	
PRESSURE ANGLE	20°
MODULE	0.4
NUMBER OF TEETH	16
OUTSIDER DIAMETER	Φ7.2
REFERENCE CIRCLE DIAMETER	Φ6.4
ROOT DIAMETER	Φ5.4
ACCURACY CLASS	JGMA-116-02 level 4



Connector	插头：P=2.5,8PIN				Coil Resistance 线圈电阻			30Ω ± 7%
					Rated Voltage 额定电压			5V DC
					Max. starting frequency 最大自启动周波数			1200PPS Min./5VDC
					Max. slewing frequency 最大连续响应周波数			2500PPS Min./5VDC
Meanings of Wire	BLACK(黑)	FOCUS A+	BLUE(蓝)	FOCUS A-	ORANGE(橙)	ZOOM A+	GREEN(绿)	ZOOM A-
	YELLOW (黄)	ZOOM B+	PURPLE(紫)	ZOOM B-	WHITE(白)	FOCUS B-	RED(红)	FOCUS B+
Step Angle 步距角度		18° /STEP			Transmission Ratio 传输比			1:156
Output gear torque 出力齿力矩	200gf-cm Min. (AT 500PPS, 5V DC)				Operating temperature 工作温度			-30°C～+70°C