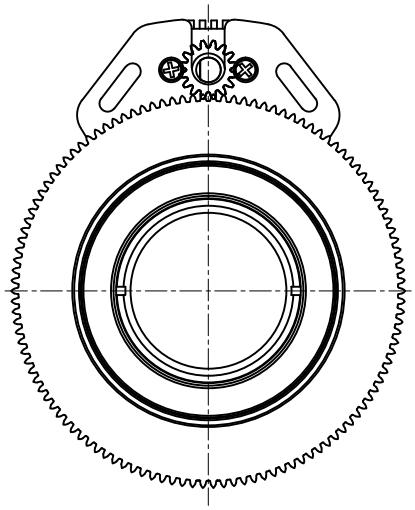
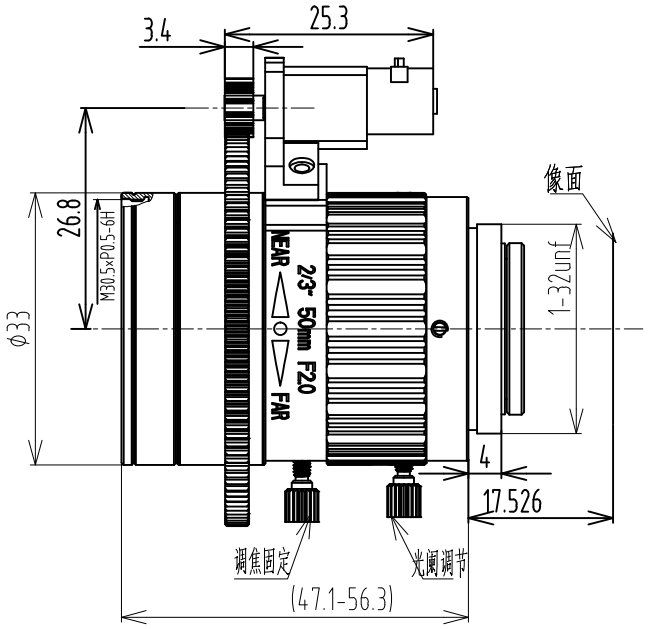




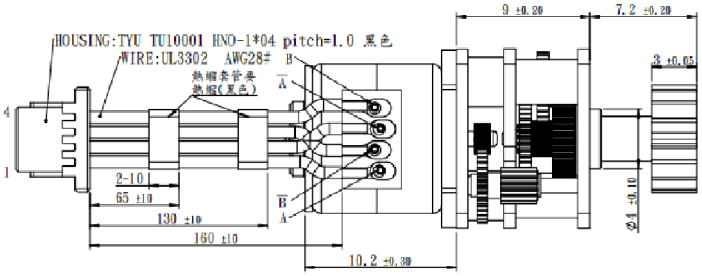
CONNECTION DIAGRAM



SEQUENCE OF EXCITATION

PHASE \ STEP	1	2	3	4
A	H	H	L	L
Ā	L	L	H	H
B	L	H	H	L
B̄	H	L	L	H

PIN	NOTOR TERMINAL	CABLE WIRE COLOUR
1	A	RED
2	Ā	YELLOW
3	B̄	WHITE
4	B	BLACK



2/3" F2.0/50mm C Mount

		Working distance	Optical Magnification	2/3" Field of View(mm) H	2/3" Field of View(mm) V
Focal Length	f=50mm	mm			
Max Diameter (Ratio)	F=1:2.0~16				
Picture Size	2/3" (8.8×6.6mm) / 1/2" (6.4×4.8mm)				
Angle H	10.68° / 7.82°	1100	0.0437X	201.37	151.03
Angle V	8.05° / 5.76°	1000	0.0482X	182.55	136.93
Angle D	13.32° / 9.85°	900	0.0538X	163.57	122.68
Object Dimension at WD:200mm H	85.126mm	850	0.0571X	154.12	115.59
Object Dimension at WD:200mm V	66.287mm	800	0.0608X	144.74	108.55
Object Dimension at WD:200mm D		750	0.065X	135.38	101.54
Distortion (TV)	<0.3% / <0.1%	700	0.0699X	125.89	94.42
Focus distance(min)	0.3M---INF	650	0.0756X	116.4	87.30
Flange back	17.526mm in air	600	0.0823X	106.93	80.19
Back focus	10.93mm in air	550	0.0902X	97.56	73.17
Filter screw size	M30.5×0.5	500	0.0999X	88.09	66.07
Front/Rear Effective Dia		450	0.1119X	78.64	58.98
Mount	C-Mount	400	0.1272X	69.18	51.89
Temperature Range	-10~+50°C	350	0.1473X	59.74	44.81
Storage Temperature Range	-20~+60°C				

ELECTRICAL CHARACTERISTIC

Rated Voltage(额定电压):	5.0V DC Constant
Operating Voltage Range(使用电压范围):	3.3V~5.0V
Excitation Method(激磁方式):	2 Phase Excitation
Coil Resistance(线圈电阻):	19Ω ± 10%
Step Angle(步进角度):	0.12° Step(ref)
Withstand Voltage(耐压):	AC 100 V/3mA
Insulation Resistance(绝缘阻抗):	10M Ω(min)(AT500pps 5v DC)
Mechanical Speciication(机械特性):	
Final Transmission Ratio(减速比):	150:1
Gear Box3 Output Torque(输出力矩):	450gf-cm(min)(AT 500pps,5v DC)
Max.Slew rate(最大连续响应频率):	2500pps(min)(AT,5 v DC)
Max.Start rate(最大应答周波数):	1000pps(min)(AT,5 v DC)
Mechanical Noise(机械噪音):	60dB(max)(DC 5v 500pps)

齿轮出力参数:

齿轮齿形:	JIS B 1701:	分度圆直径:	ϕ6.4/ϕ47.2
模数:	0.4	齿顶圆直径:	ϕ7.2/ϕ48
压力角:	20°	齿根圆直径:	ϕ5.4/ϕ46.2
齿数:	16 / 118	精度:	JGMA-116-02 5级

TOLERANCE:
. LINEARITY TOLERANCES ±0.05
. ANGULAR TOLERANCES ARE±30'
. DRAFT ANGLES AREA±0.5°/SIDE

三角法

材料(环保): ---

单位: mm

比例: 2:1

标记	处数	更改文件号	担当	变更日期			
					设计	CHKP	2025.06.12
					校对	Mark	2025.06.12
					审核	Richard	2025.06.12
					批准	Jack	2025.06.12

名称: DFA5005A规格书

代号: DFA5005A-Spec

页码: 1/1

版本: V0

A4