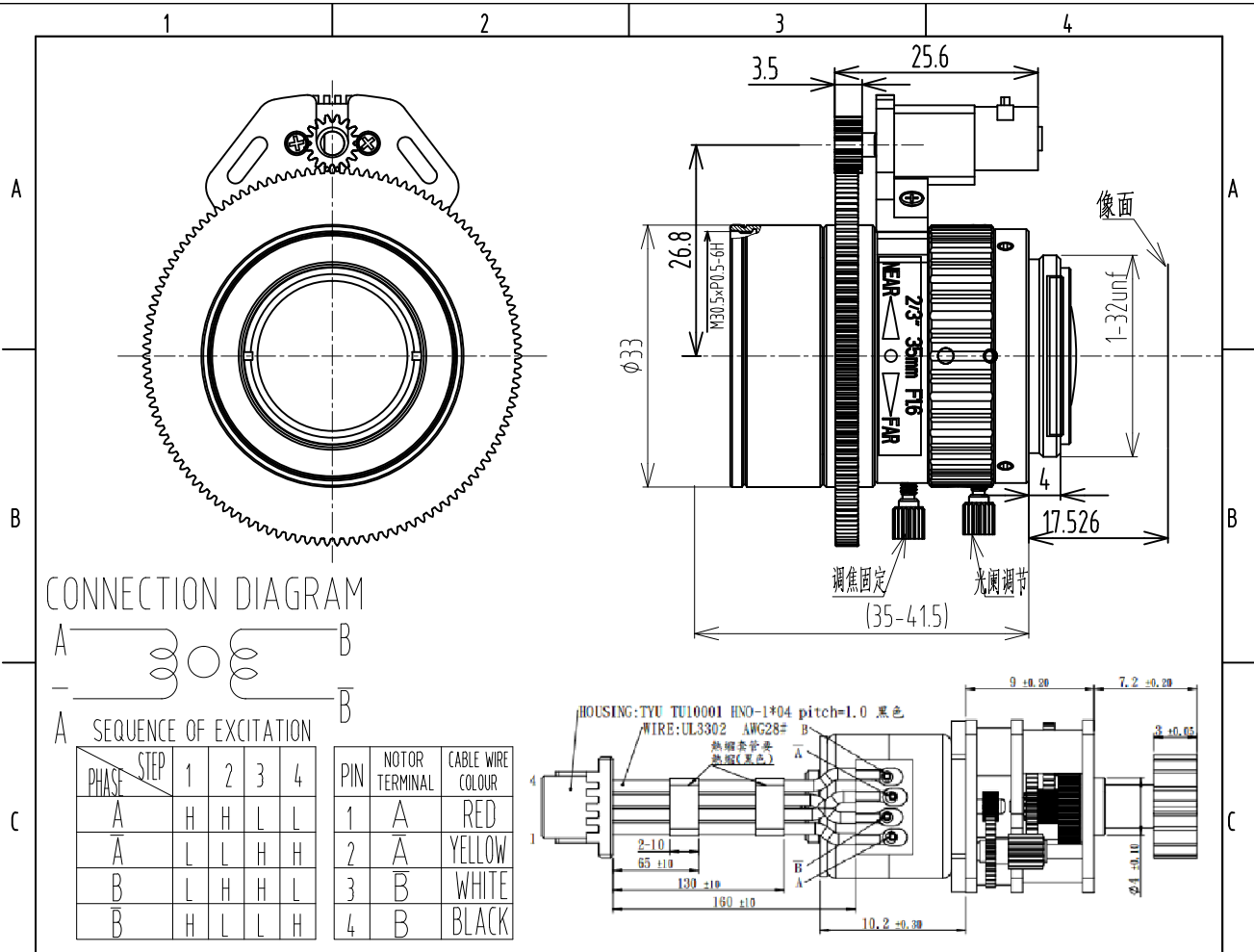




CONNECTION DIAGRAM



SEQUENCE OF EXCITATION

PHASE	STEP	1	2	3	4	PIN	NOTOR TERMINAL	CABLE WIRE COLOUR
A	A	H	H	L	L	1	A	RED
A	B	L	L	H	H	2	A	YELLOW
B	A	L	H	H	L	3	B	WHITE
B	B	H	L	L	H	4	B	BLACK

2/3" F1.6/35mm C Mount			Working distance	Optical Magnification	2/3" Field of View(mm)		ELECTRICAL CHARACTERISTIC		
Focal Length		f=35mm		mm		H	V	Rated Voltage(额定电压): 5.0V DC Constant	
Max Diameter (Ratio)		F=1:1.6~16						Operating Voltage Range(使用电压范围): 3.3V~5.0V	
Picture Size		2/3" (8.8×6.6mm)	1/2" (6.4×4.8mm)					Excitation Method(激励方式): 2 Phase Excitation	
Angle	H	13.7°	10°	900	0.0374X	235.29	176.47	Coil Resistance(线圈电阻): 19Ω ± 10%	
	V	10.2°	7.3°	800	0.0419X	210.02	157.52	Step Angle(步进角度): 0.12° Step(ref)	
	D	17.3°	12.5°	750	0.0446X	197.31	147.98	Withstand Voltage(耐压): AC 100 V/3mA	
Object Dimension at WD:200mm	H	59.2mm		700	0.0477X	184.49	138.36	Insulation Resistance(绝缘阻抗): 1.0M Ω(min)(AT500pps 5v DC)	
	V	45.3mm		650	0.0512X	171.88	128.91	Mechanical Speciation(机械特性):	
	D			600	0.0552X	159.42	119.57	Final Transmission Ratio(减速比): 150:1	
Distortion (TV)		<0.15%	<0.1%	550	0.06X	146.67	110.00	Gear Box3 Output Torque(输出扭矩): 450gf-cm(min)(AT 500pps 5v DC)	
Focus distance(min)		0.15M---INF		500	0.0656X	134.06	100.55	Max.Slew rate(最大连续响应频率): 2500pps(min)(AT 5 v DC)	
Flange back		17.526mm in air		450	0.0725X	121.38	91.03	Max.Start rate(最大应答周波数): 1000pps(min)(AT 5 v DC)	
Back focus		12.5mm in air		400	0.0809X	108.78	81.58	Mechanical Noise(机械噪音): 60dB (max)(DC 5v 500pps)	
Filter screw size		M30.5×0.5		350	0.0915X	96.17	72.13	齿轮出力参数:	
Front/Rear Effective Dia				300	0.1053X	83.57	62.68	齿轮齿形:	JIS B 1701: 分度圆直径: φ6.4/φ47.2
Mount		C-Mount		250	0.124X	70.97	53.23	模数:	0.4 齿顶圆直径: φ7.2/φ48
Temperature Range		-10~+50℃		200	0.1508X	58.36	43.77	压力角:	20° 齿根圆直径: φ5.4/φ46.2
Storage Temperature Range		-20~+60℃		150	0.1925X	45.71	34.29	齿数:	16 / 118 精度: JGMA-116-02 5级

TOLERANCE:				三角法		材料(环保)		单位	比例
LINEARITY TOLERANCES ±0.05				△		---		mm	2:1
ANGULAR TOLERANCES ARE±30°									
DRAFT ANGLES ARE±0.5°/SIDE									
设计	校对	审核	批准	设计	CHKP	2025.06.18	名称	DFA3505A规格书	
				校对	Mark	2025.06.18			
				审核	Richard	2025.06.18			
				批准	Jack	2025.06.18			
标记	处数	更改文件号	担当	变更日期	批准	代号	DF3505A-Spec	版本	V0