



东莞市维斗科技股份有限公司
DONGGUAN VIDE TECHNOLOGY CO.,LTD.

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高新技术企业认定
188 0769 3858 139 2588 7299



**精心打造高精度光学配件及微型电机，
提供视觉、视频系统、医疗、电动配套方案。**

Build precision optical accessories and micro motors carefully,
Provide vision and video systems,
medical and electric supporting solutions.



ISO9001:2008 / ISO14001:2004
IATF16949: 2016 / QC080000:2017
www.videtech.com



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COMPANY PROFILE

公司简介

东莞市维斗科技股份有限公司创建于2009年7月，注册资本6279万元，旗下拥有 控股子公司广东维斗东方科技有限公司（专业生产汽车座椅马达、雨刮器马达、玻璃升降马达等），和全资子公司东莞市源开鑫精密科技有限公司（专业生产金属齿轮、减速机、蜗轮、蜗杆及精密五金件），维斗集团是一家集“研发、设计、生产、销售高精光电器件（电磁阀、切换器、自动光圈）、微型电机”的国家高新技术企业。其产品广泛应用于汽车、视觉显示、智能家居、医疗器械、工业自动化等。

公司秉承“质量第一、规范管理、持续创新、诚信永恒”的核心理念，获得ISO90001、ISO140001、IATF16949:2016、QC080000:2017质量环境管理体系认证，是海康威视、三星、日立、大疆、日本电产、迈瑞医疗、小米、华为、通用五菱、长安汽车、比亚迪等多家客户指定的优秀供应商。

公司拥有雄厚的技术积累和强大的研发团队，工厂面积

60000平方米，员工1200人，科技人员100多人，拥有各种先进设备1000多台；拥有实用新型专利92项，发明专利申请31项，授权4项；公司2015年获得“国家级高新技术企业”认定、荣获“东莞市高成长型中小企业”；2016年荣获寮步镇“升级转型突出贡献奖”；2017年2月，东莞市人民政府办公室印发了《东莞市人民政府办公室关于东莞市实施重点企业及规模效益倍增计划试点企业名单的通报》（东府办函【2017】80号），公司入选试点企业名单；2017年5月，被授予2016年广东省重合同守信用企业，2021年公司获得国家级专精特新小巨人，微型步进电机隐形冠军，引入小熊产业基金及科技部基金。

公司与华南理工大学于2016年成立了“广东省电机驱动及光圈工程”技术研究中心，是广东工业大学的产学研研究及教学实习基地；自主研发的产品“IRIS自动光圈、双滤光片切换器、紫外截止ICR模块和微型步进电机”荣获广东省高新技术产品。

Dongguan VIDE Technology Co., Ltd was founded in 2009 with a registered capital 62.79 million RMB, which owns a holding subsidiary Guangdong Vide Dongfang Technology Co., Ltd (Specializing in the production of car seat motors, wiper motors, window lift motors, etc.) and a wholly-owned subsidiary Dongguan Yuankaixin Precision Technology Co., Ltd (Specializing in the production of metal gears, gearboxes, worm gears, worms & precision hardwares). VIDE is a national high-tech enterprise integrating research and development, design, production and sales of high-precision optoelectronic devices (solenoid valves, switches, automatic iris) and micro motors. Its products are widely used in automobiles, visual displays, smart homes, medical equipment, industrial automation, etc.

The company adheres to the core concept of "quality first, standardized management, continuous innovation, and eternal integrity", and has obtained ISO90001, ISO140001, IATF16949:2016, QC080000:2017 quality and environmental management system certification, which is a designated supplier by many customers such as Hikvision, Samsung, Hitachi, DJI, Nidec, Mindray Bio-Medical, Xiaomi, Huawei, GM Wuling, Changan Automobile, BYD, etc.

The company has a strong technical accumulation and a strong R&D team, whose factory area covers 60,000 square meters, with 1,200 employees, more than 100 scientific and technical personnel, and more than 1,000 various advanced

equipments. It owns 92 utility model patents and 31 invention patent applications and 4 authorizations. The company was recognized as a "National High-tech Enterprise" and "Dongguan High-growth Small and Medium-sized Enterprise" in 2015. And in 2016, it won the "Outstanding Contribution Award for Upgrading and Transformation" in Liaobu Town. In February 2017, the Office of the People's Government of Dongguan issued the "Notice of the Office of the People's Government of Dongguan on the List of Pilot Enterprises for the Implementation of Key Enterprises and Scale Efficiency Doubling Plan in Dongguan" (Dongfu Office Letter [2017] No. 80), and the company was selected as a pilot list of companies. In May 2017, the company was awarded the "Granted"2016 Guangdong province contract-abiding and promise-keeping enterprise". In 2021, the company won the national specialization and special new giant, the invisible champion of micro stepping motor, and introduced the Cubs Industry Fund and the Ministry of Science and Technology Fund.

The company and South China University of Technology established the "Guangdong Province Motor Drive and Aperture Engineering" technology research center in 2016, which is the industry-university research and teaching practice base of Guangdong University of Technology. Its self-developed products "IRIS automatic iris, dual filter switcher, UV cut ICR module and micro stepper motor" won the Guangdong Province high-tech product.

DEVELOPMENT HISTORY

发展历程



2009
YEAR

- 东莞市维斗电子有限公司成立。
VIDE Electronics Co., Ltd was established.
- 直流马达进入量产, 开始研发步进电机。
DC Motors were put into mass production, and started to R&D Stepping Motors .

2011
YEAR

- ISO 9001:2008认证通过, ISO 14001:2004认证通过。
- We passed the ISO9001:2008 quality management system and ISO14001:2004 environment management system certificate.

2010
YEAR

- 步进电机开始进入量产。
Stepping Motors were put into mass production.

2012
YEAR

- 产业结构升级转型, 开始研发自动光圈(Auto IRIS)和IR-CUT。
Industrial upgrading and reforming, started to R&D Auto IRIS & IR-CUT.

2013
YEAR

- 自动光圈 (Auto Iris) 和IR-CUT进入量产阶段。
Auto IRIS & IR-CUT were put into mass production.
- 生产线改造, 大量自动化生产设备投入。
production lines upgrading and reforming, large quantities of automation equipment were invested.

2015
YEAR

- 国家高新技术企业认证通过, 荣获“东莞市企业高成长奖”。
gained “National High-tech enterprise” and “Dongguan High-growth Technology SMEs”
- 注册资本变更为4200万RMB。
Registered capital was change to 42 million RMB.

2017
YEAR

- 入围“东莞市实施重点企业与规模效益倍增计划试点企业”试点企业名单。
Listed in “Implementing Key Enterprise and Scale-benefit Multiplier Plan Pilot Enterprise”
- 注册资本变更为5092万。
Registered capital was changed to 50.92 million RMB.
- 被授予广东省2016年重合同守信用企业。
Granted“2016 guangdong province contract-abiding and promise-keeping enterprise”
- 入围“东莞市第十一批上市后备企业”。
Listed in “Dongguan 11th listed backup enterprise”.

2019
YEAR

- IATF16949:2016 认证通过。
IATF16949: 2016 certification passed.
- 一体机马达寿命提升到500万次。
The life of the integrated motor was increased to 5 million times.
- 车载电机研发及量产。
Research and development and mass production of on-board motors.

2021
YEAR

- 国家级专精特新小巨人。
National specialization and new giants.
- 微特步进电机隐形冠军。
The invisible champion of micro-stepping motors.
- 引入小熊产业基金, 科技部基金。
Introduced the Cubs Industry Fund and the Ministry of Science and Technology Fund.

2016
YEAR

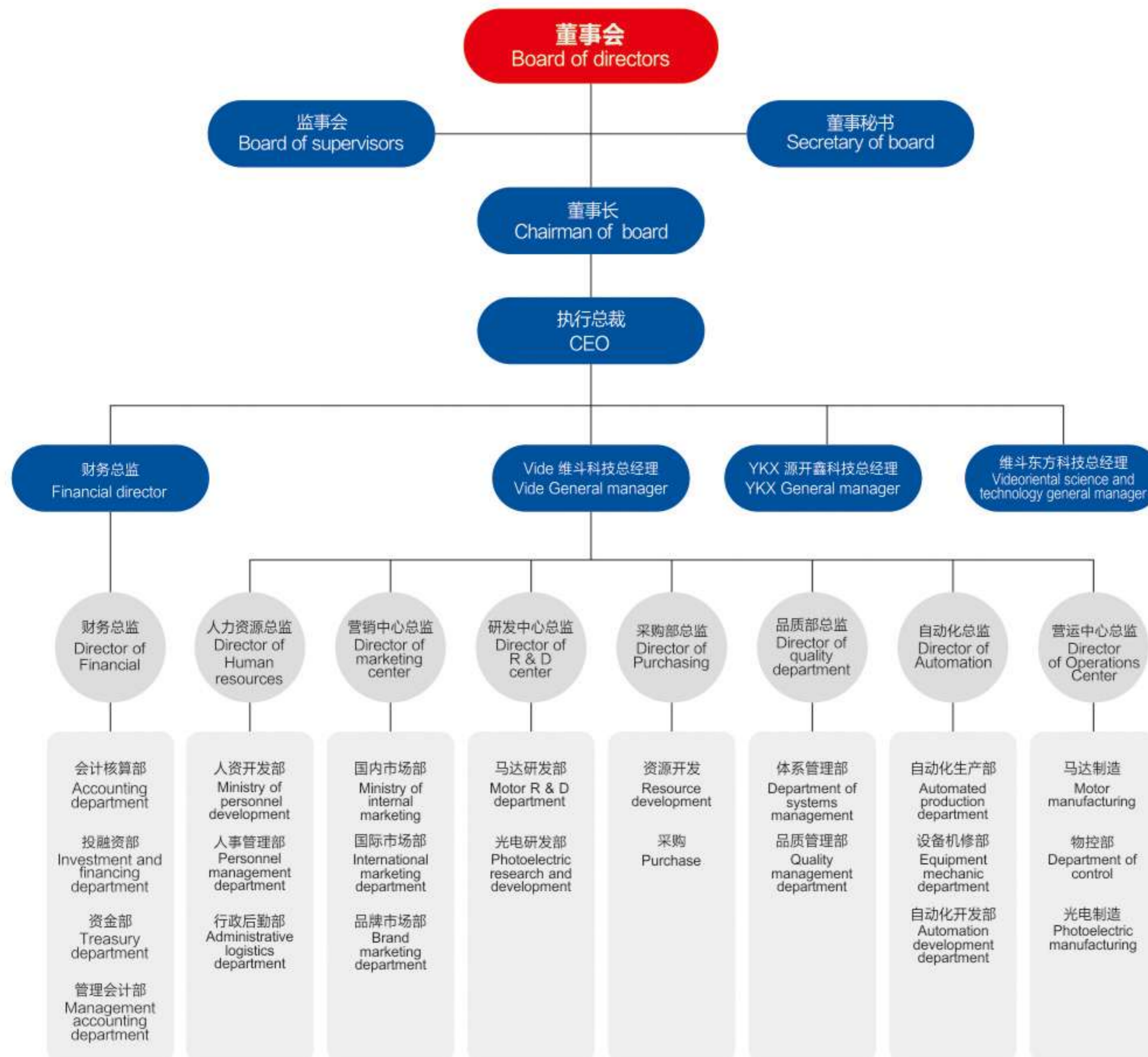
- 股份有限公司成立, 更名: 东莞市维斗科技股份有限公司。
Established joint-stock company, Renamed: Dongguan Vide technology Co., Ltd.
- 子公司广东维斗东方科技有限公司成立, 注册资本1000万。
Found holding subsidiary Guangdong Vide Dongfang Technology Co., Ltd, registered capital 10million RMB.
- 收购了东莞市源开鑫精密科技有限公司100%股权, 扩大注册资本至2000万。
Purchased Dongguan Yuankaixin Precision Technology Co., Ltd 100% stock right.
- 与华南理工大学成立了“广东省电机驱动及光圈工程”技术研究中心
Set up “Guangdong Motor Drive and Auto IRIS Project” Technology research center with SCUT
- 正式登陆新三板, 股票代码: 838562
Successfully landed the NEEQ
- 荣获“东莞市寮步镇升级转型奖”
Won the “Dongguan Liaobu Upgrading and Transforming Outstanding Contribution Award”.

ORGANIZATION STRUCTURE

组织架构

组织架构是科学管理最核心的理念，是维斗科技文化建设的切入点和着力点。

Organization structure is the core concept of scientific management, which is the starting point and focus of VIDE Technology cultural construction



COMPANY CULTURE

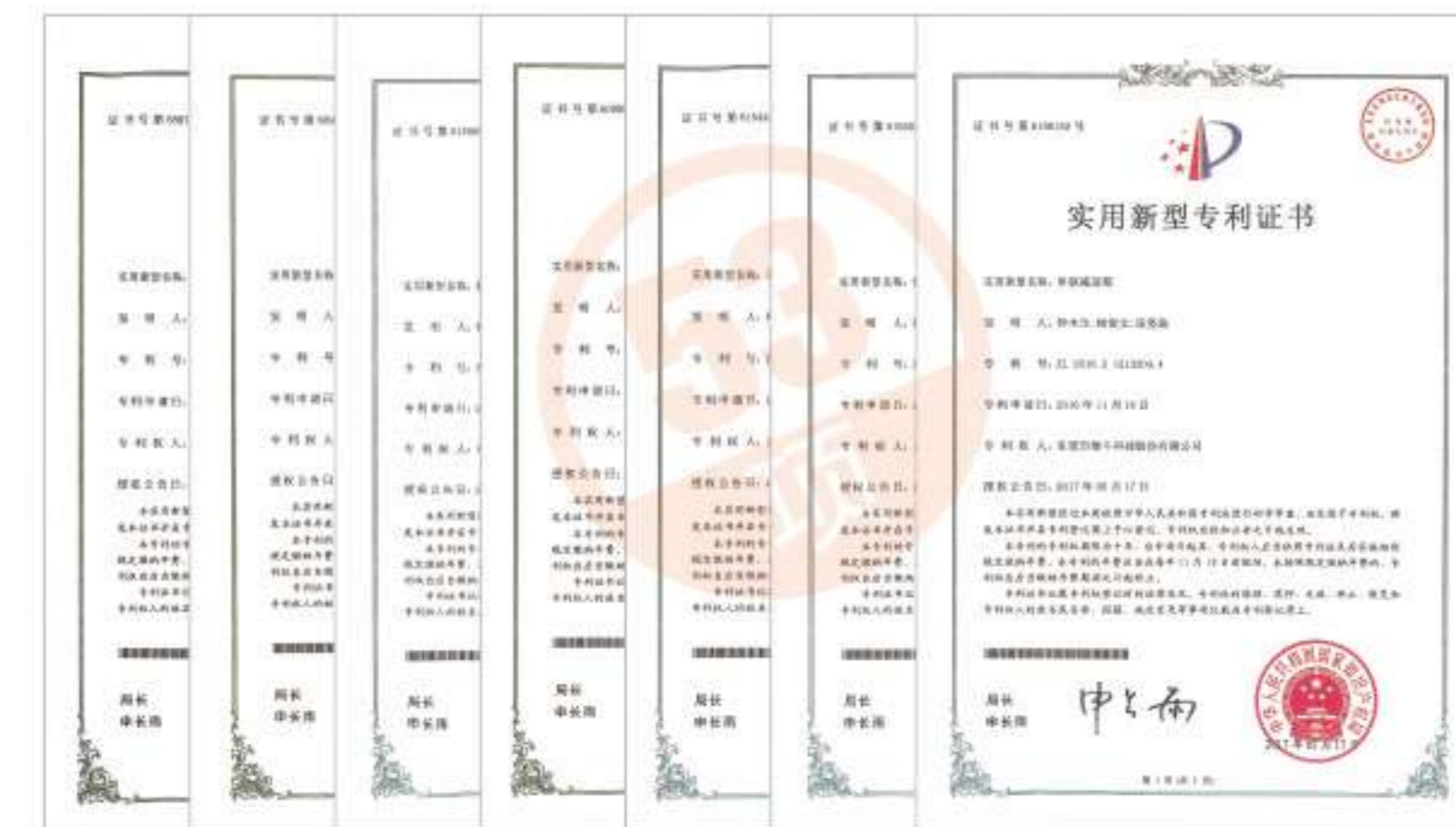
公司文化

	经营理念 Business philosophy	文化为本、技术领先。 Culture-Oriented, technology-led.
	企业使命 Enterprise mission	精心打造高精密光学器件及微型电机，铸就世界品牌。 Meticulously build high precision optical devices and micro motor, forge world brand.
	企业愿景 Enterprise vision	让生活更高效、更智能、更安全。 Make life more efficient, smarter and safer.
	经营方针 Management policy	确保质量，满足客户；提升效率，减少浪费；持续改善，永续经营 Quality ensurance, customer satisfaction;waste reducing, efficiency improving; continuous improvement, sustainable management.



QUALIFICATION CERTIFICATE

资质证书



实用新型专利证书
Utility model patent certificate

发明专利证书
Invention patent certificate



高新技术证书
High-tech certificate

以科技为动力，以质量求生存，
质量是企业的生命，质量是企业的效益，
质量是企业发展的动力。

Science and technology as the driving force, quality as the survival,
Quality is the life of the enterprise,
Quality is the benefit of the enterprise,
Quality is the driving force for enterprise development.



维斗一直坚持严格控制把关每一个环节，
每一道工序，从设计研发到
生产作业各个环节的质量状况。

VIDE has always insisted on strict control and check of every aspect , every process, from design development to production quality status of all aspects of operations.

PRODUCTION WORKSHOP

生产车间



洁净的生产车间，有序的生产流程，先进的生产设备，
熟练有素的工人操作，
为产品品质的稳定和提高提供了可靠的保证。

Clean production workshop, orderly production process, advanced equipment, skilled operation of well-trained workers is a reliable guarantee of the product quality stability and improvement



TESTING EQUIPMENT

检测设备



精密与精确的检测设备，是产品质量保障不可或缺的，是高质量产品最有力的保障条件之一。

Precise and accurate testing equipment is indispensable for product quality assurance, and is one of the most powerful guarantee conditions for high-quality products.



CONTENTS

目录



STEPPING MOTOR | 步进电机



GEAR MOTOR | 减速电机



GEAR MOTOR | 减速电机 BRUSHLESS MOTOR | 无刷电机

SERVO MOTOR | 伺服电机



IR-CUT



IRIS



MODULE | 模组系列



MODULE | 模组系列

Vehivle-based DC Motor | 车载电机



VSM05

SERIES

VSM0501

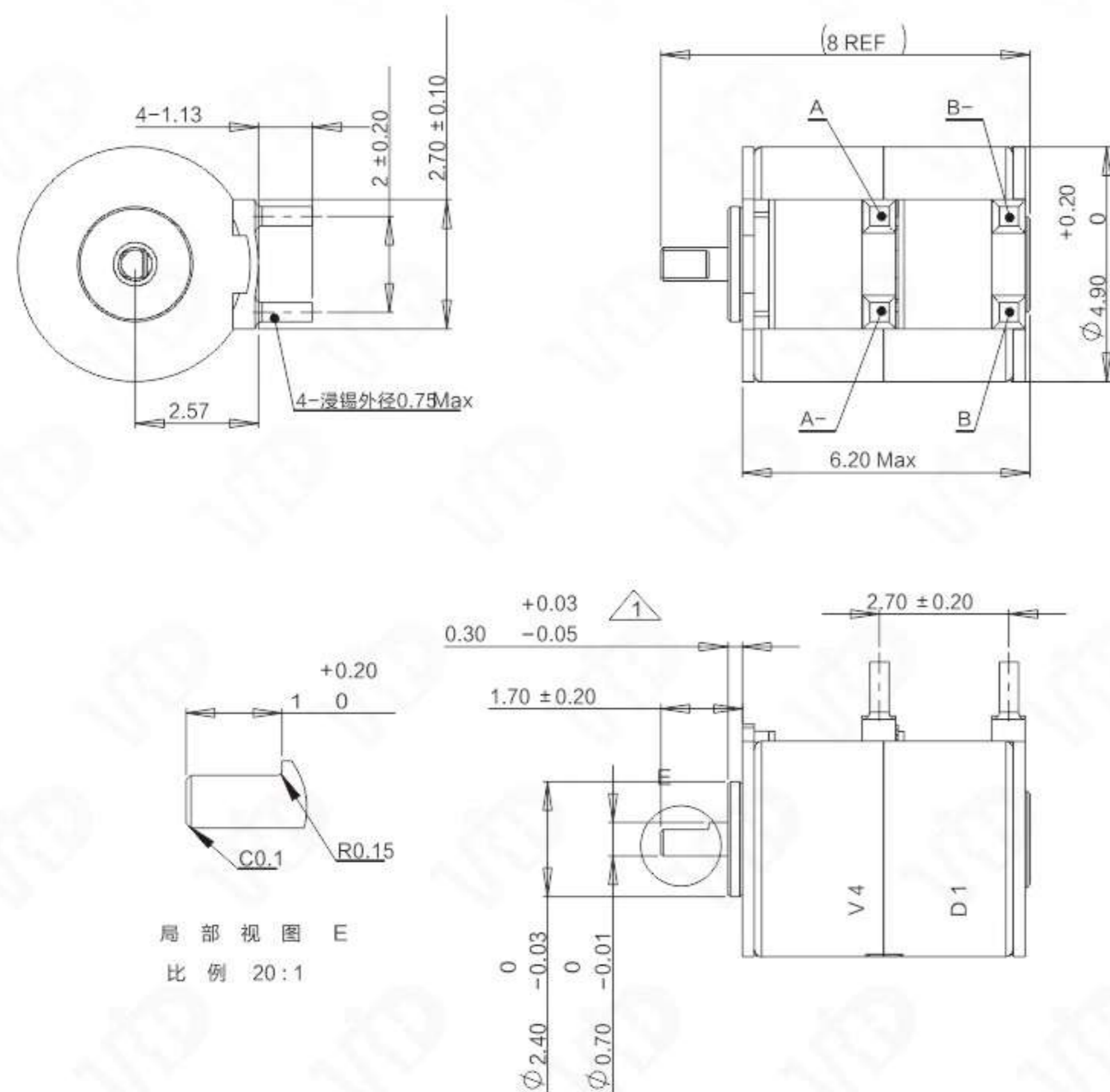


应用领域 Application

数码相机、手机照相、网络视频、医疗器械、精密仪器
Digital camera, mobile phone camera, network video, medical equipment

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM0501	5V	14.5Ω	2-2	18°	1500PPS	2500PPS	0.95gf-cm	1.7gf-cm

规格参考 Specification



VSM06

SERIES

VSM0616



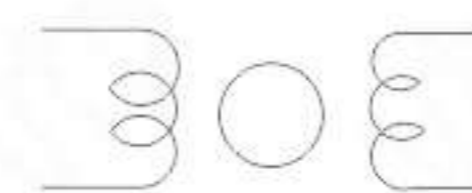
应用领域 Application

数码相机、手机照相、网络视频、医疗器械、精密仪器
Digital camera, mobile phone camera, network video, medical equipment

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM0616	3.3V	12 ± 10%Ω	2-2	18°	1300 PPS(min)	2500 PPS(min)	0.8gf-cm(min)	1.0gf-cm(min)
VSM0615	3.3V	30 ± 10%Ω	2-2	18°	1300 PPS(min)	2500 PPS(min)	0.3gf-cm(min)	0.5gf-cm(min)

规格参考 Specification

CONNECTION DIAGRAM

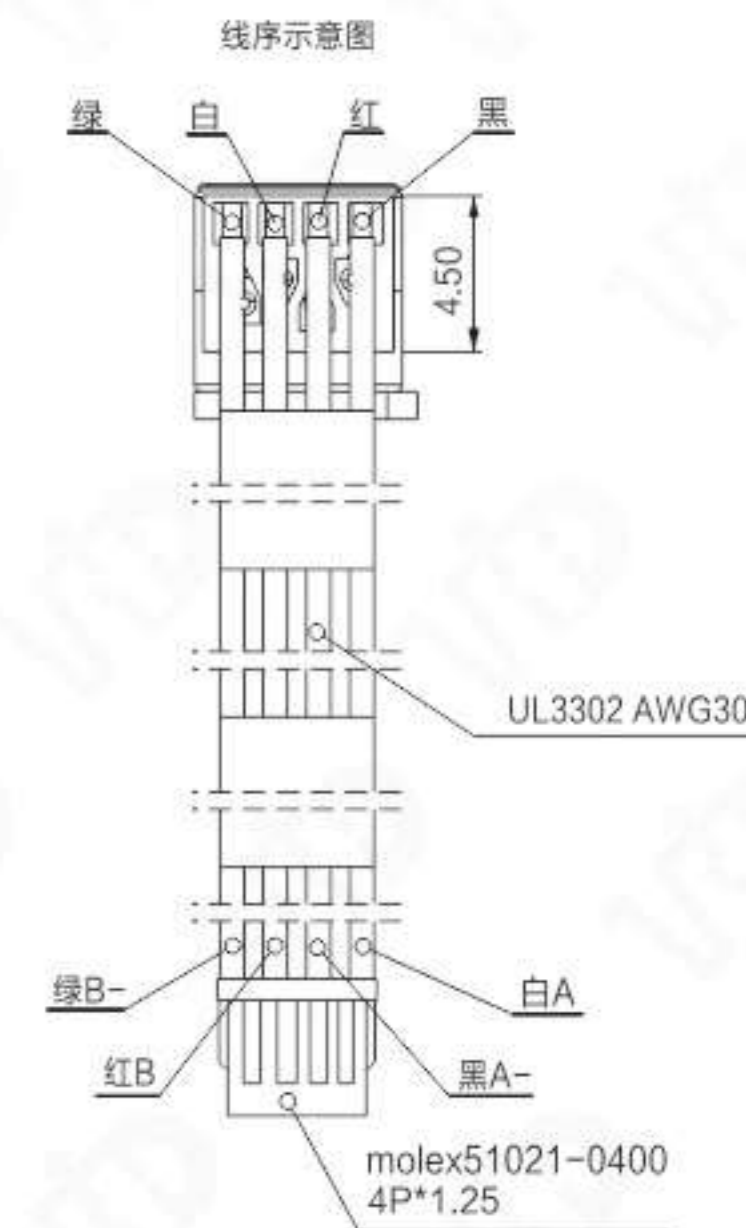
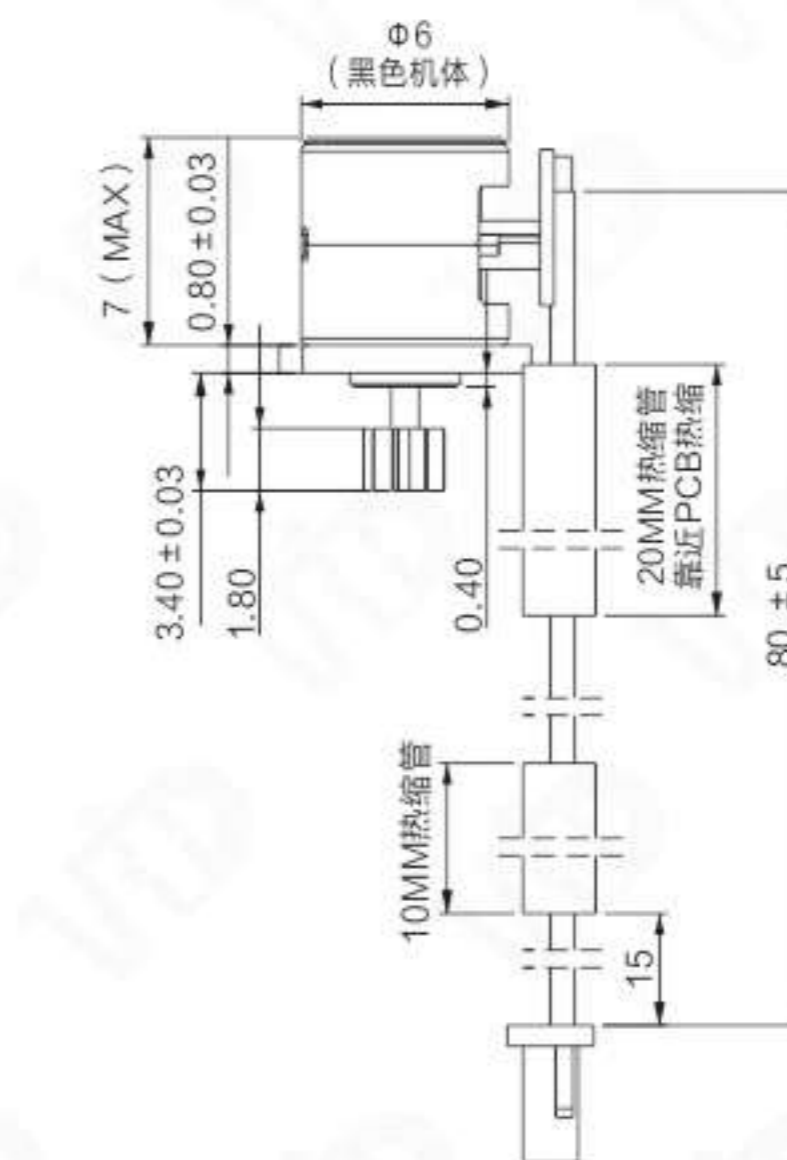
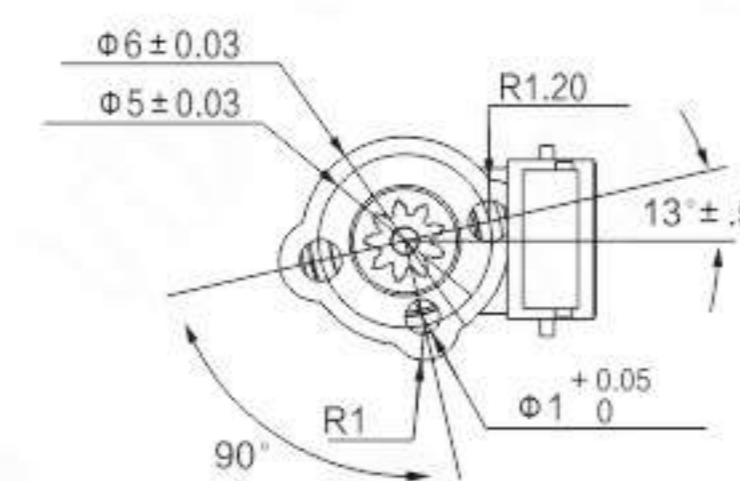


SEQUENCE OF EXCITATION

STEP PHASE	1	2	3	4
A	+	+	-	-
A̅	-	-	+	+
B	-	+	+	-
B̅	+	-	-	+

OUTPUT SHAFT ROTATION CW

模数	0.2
压力角	20°
齿数	9
分度圆	1.8
齿顶圆直径	2.4 ⁰ _{-0.05}
变位置	0.1
跨齿厚	0.979 ⁰ _{-0.02} (跨齿数=2)
精度	JGMA4



STEPPING MOTOR 步进电机

VSM08 SERIES

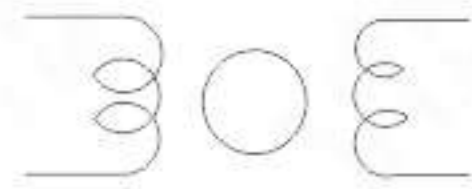
VSM0809


应用领域 Application

数码相机、网络视频、安防监控设备、CCTV镜头、IT产业、精密仪器

Digital cameras, network video, security monitoring equipment, CCTV lens, IT industry, precision instruments

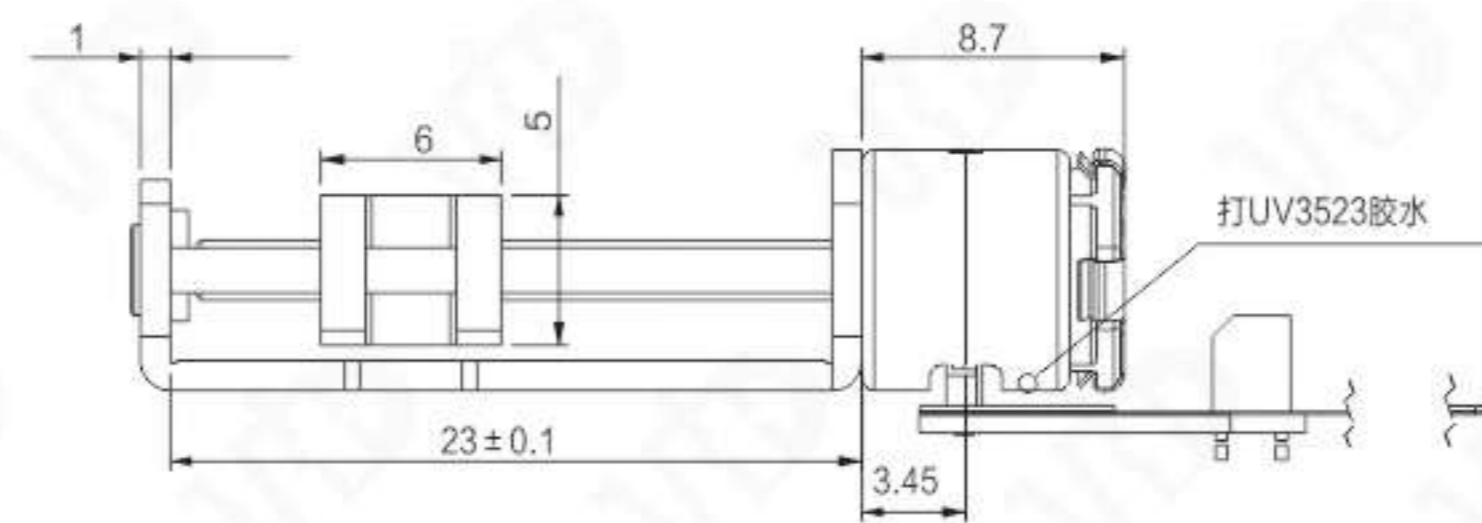
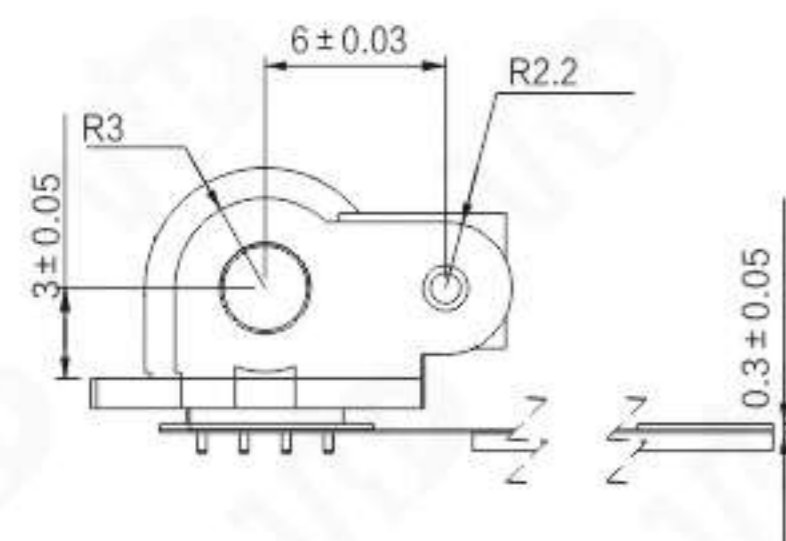
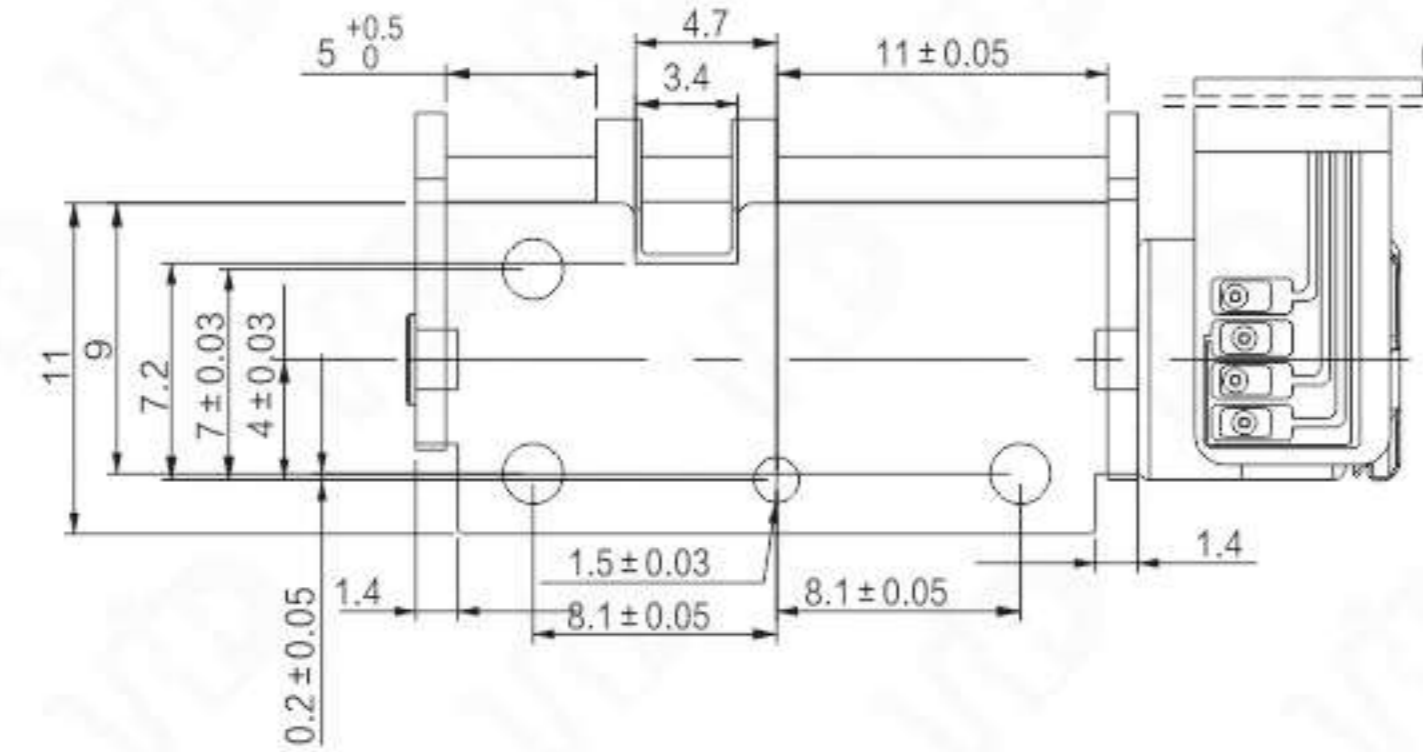
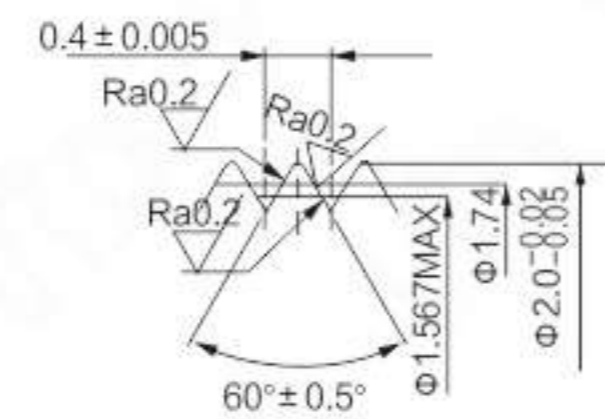
型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM0809	3.3V	20 ±10%Ω	2-2	18°	800 PPS(min)	2000 PPS(min)	1.5gf-cm(min)	2.0gf-cm(min)
VSM08107	3.3V	40 ±10%Ω	2-2	18°	1000 PPS(min)	1200 PPS(min)	0.8gf-cm(min)	1.0gf-cm(min)
VSM08162	5.0V	50 ±10%Ω	2-2	18°	800 PPS(min)	2000 PPS(min)	0.8gf-cm(min)	1.2gf-cm(min)

规格参考 Specification
CONNECTION DIAGRAM


SEQUENCE OF EXCITATION				
STEP	1	2	3	4
PHASE A	+	+	-	-
Ā	-	-	+	+
B	-	+	+	-
B̄	+	-	-	+

OUTPUT SHAFT ROTATION CW

PITCH	0.4
方向	右旋单螺纹
单一PITCH误差	0.005以下
累积PITCH误差	0.008以下


STEPPING MOTOR 步进电机

VSM10 SERIES

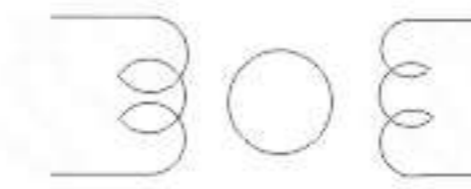
VSM1070


应用领域 Application

CCTV监控器、票据打印机、办公自动化、智能家居设备、IT产业、精密仪器

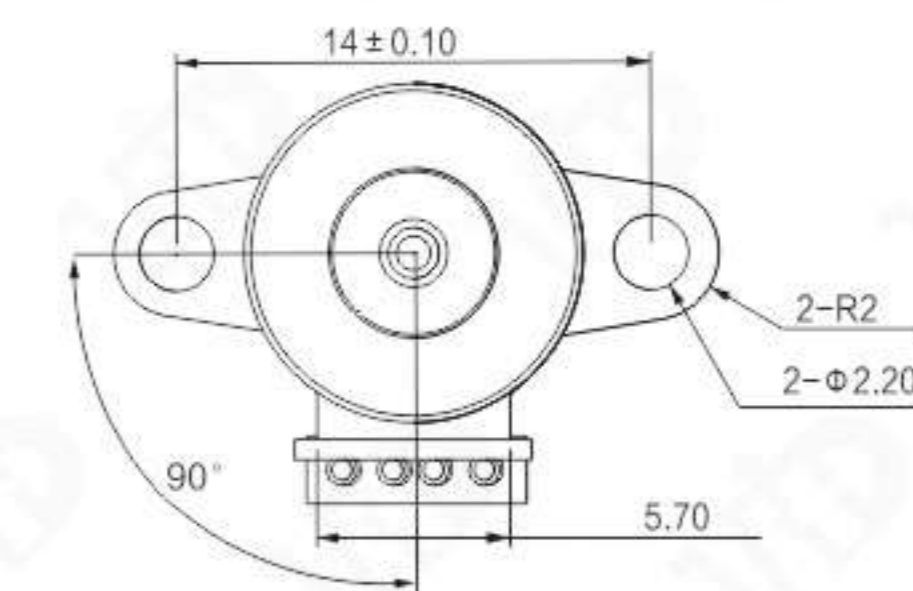
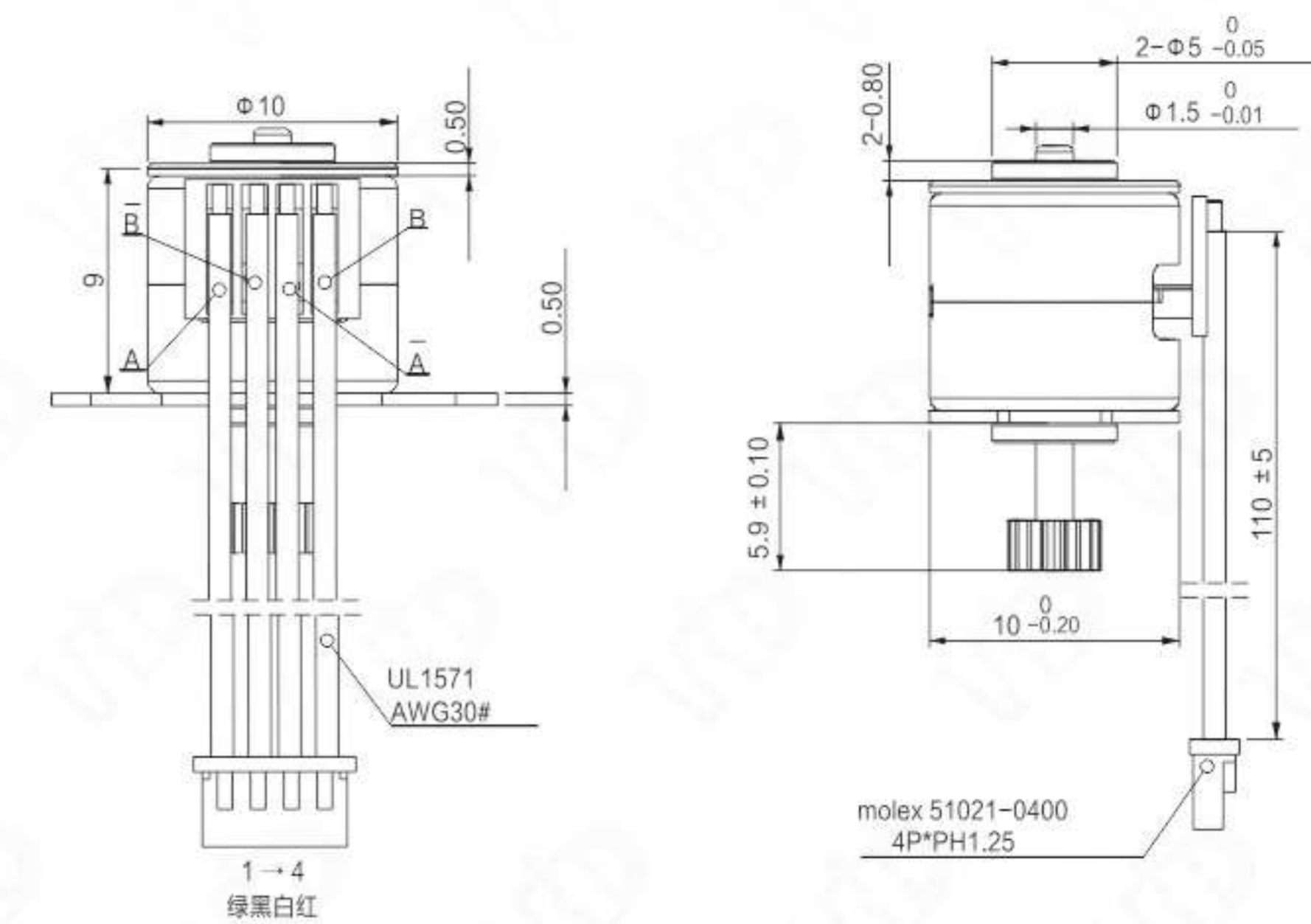
CCTV monitors, bill printers, office automation, smart home appliances, IT industry, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM1070	5.0V	40 ±10%Ω	2-2	18°	1000 PPS(min)	1800 PPS(min)	4.5gf-cm(min)	5.0gf-cm(min)
VSM1094	5.0V	40 ±10%Ω	2-2	18°	800 PPS(min)	1200 PPS(min)	4.0gf-cm(min)	5.0gf-cm(min)

规格参考 Specification
CONNECTION DIAGRAM


SEQUENCE OF EXCITATION				
STEP	1	2	3	4
PHASE A	+	+	-	-
Ā	-	-	+	+
B	-	+	+	-
B̄	+	-	-	+

OUTPUT SHAFT ROTATION CW



STEPPING MOTOR 步进电机

VSM10

VSM1087



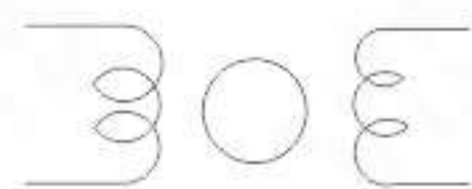
应用领域 Application

安防监控设备、CCTV镜头、IT产业、精密仪器
Security monitoring equipment, CCTV lens, IT industry, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM1087	5.0V	18 ±10%Ω	2-2	18°	300 PPS(min)	800 PPS(min)	2.8gf-cm(min)	3.8gf-cm(min)
VSM1068	5.0V	55 ±10%Ω	2-2	18°	1000 PPS(min)	1800 PPS(min)	2.0gf-cm(min)	2.2gf-cm(min)

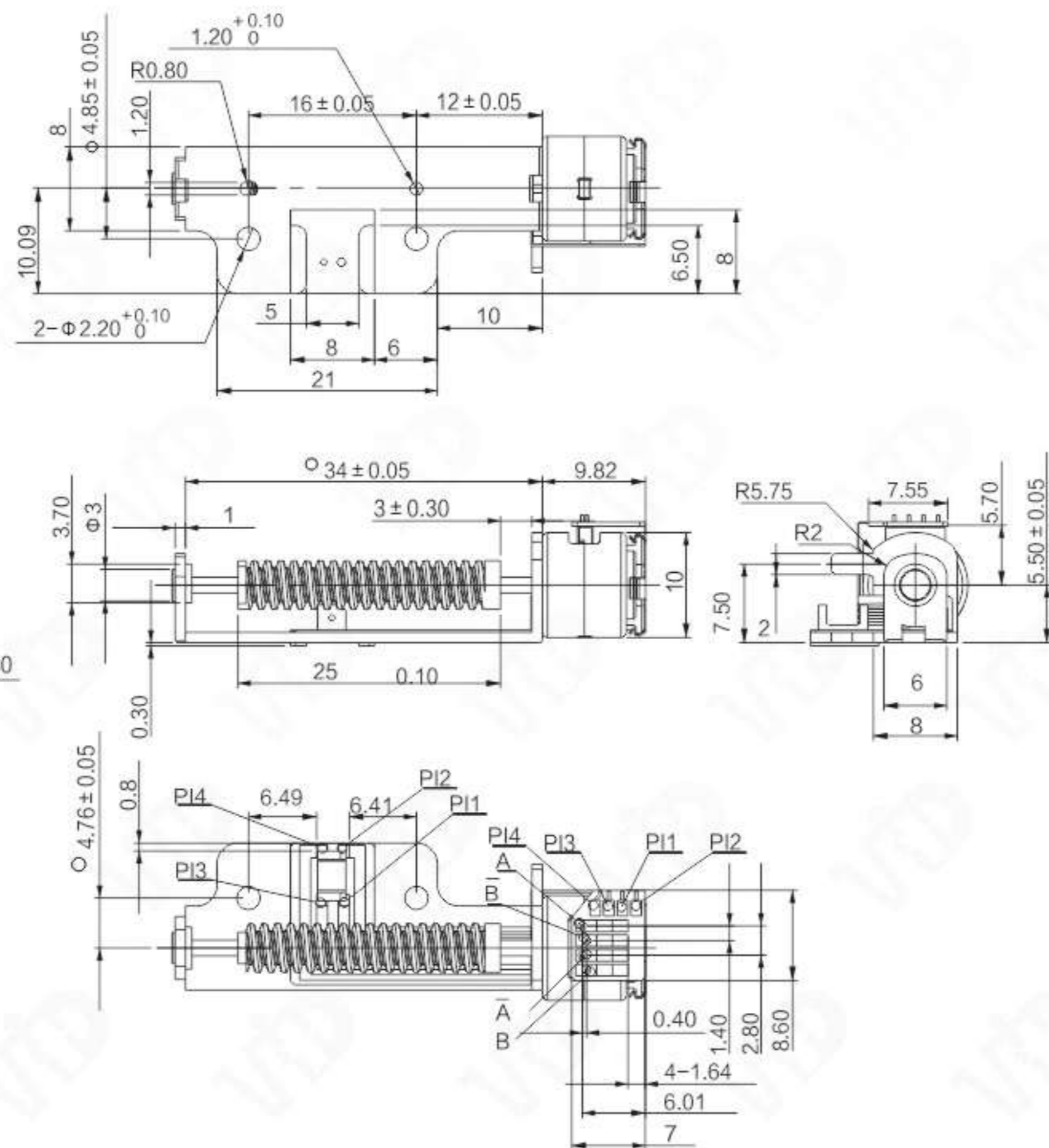
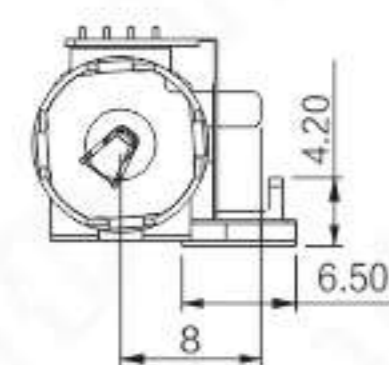
规格参考 Specification

CONNECTION DIAGRAM



SEQUENCE OF EXCITATION				
STEP	1	2	3	4
A	+	+	-	-
\bar{A}	-	-	+	+
B	-	+	+	-
\bar{B}	+	-	-	+

OUTPUT SHAFT ROTATION CW



STEPPING MOTOR 步进电机

VSM15

VSM1597



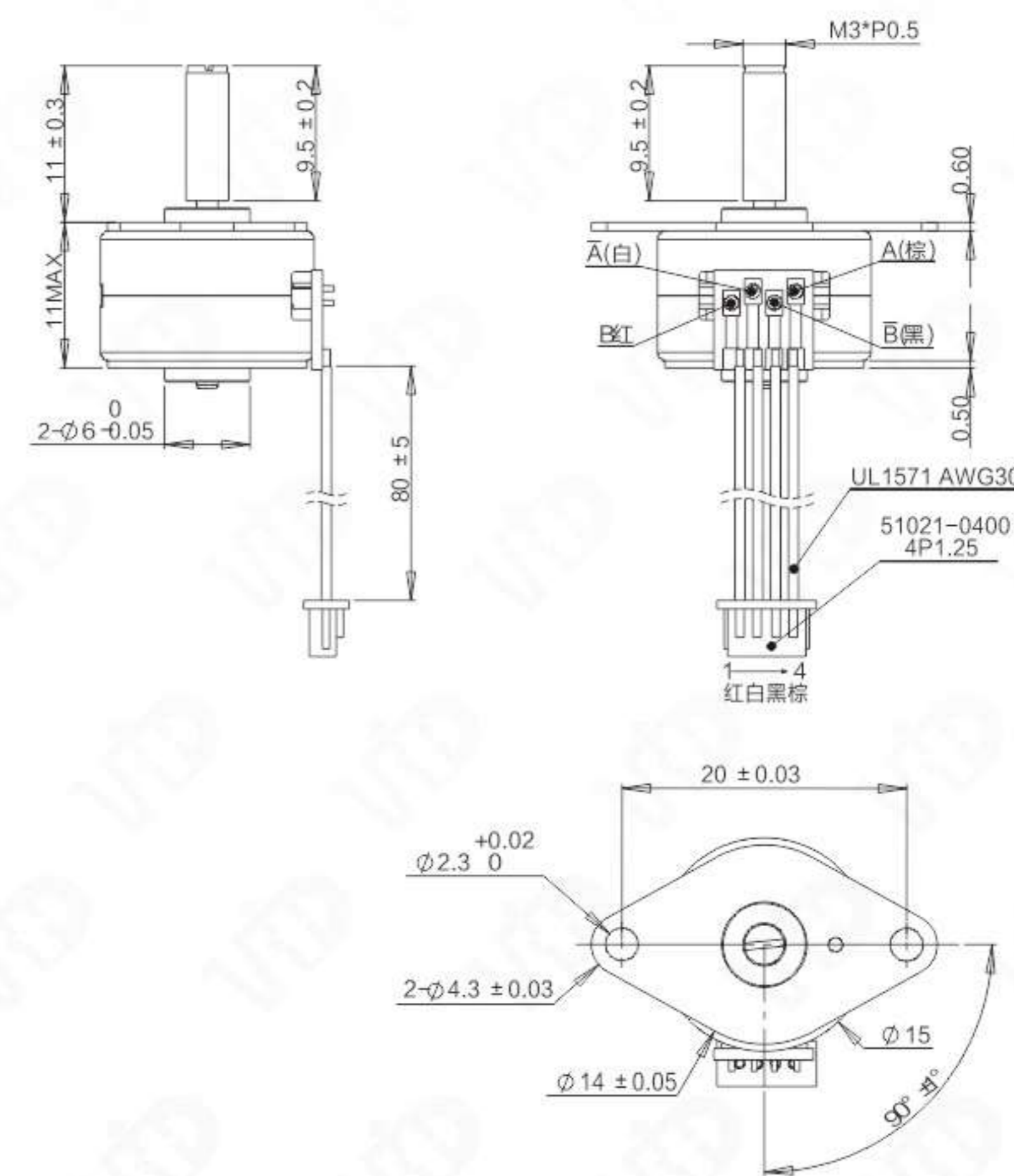
应用领域 Application

医疗器械、票据打印机、办公自动化、智能家居设备、IT产业、精密仪器

Medical equipment, paper printer, office automation, intelligent home equipment, IT industry, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM1597	5.0V	12 ±10%Ω	2-2	18°	900 PPS(min)	1200 PPS(min)	6.0gf-cm(min)	9.0gf-cm(min)
VSM1587	12.0V	190 ±10%Ω	2-2	18°	600 PPS(min)	800 PPS(min)	6.0gf-cm(min)	8.0gf-cm(min)

规格参考 Specification



(注) 一般公差 3以下±0.1; 3以上, 6以下±0.2; 6以上±0.3; 角度±5°

STEPPING MOTOR 步进电机

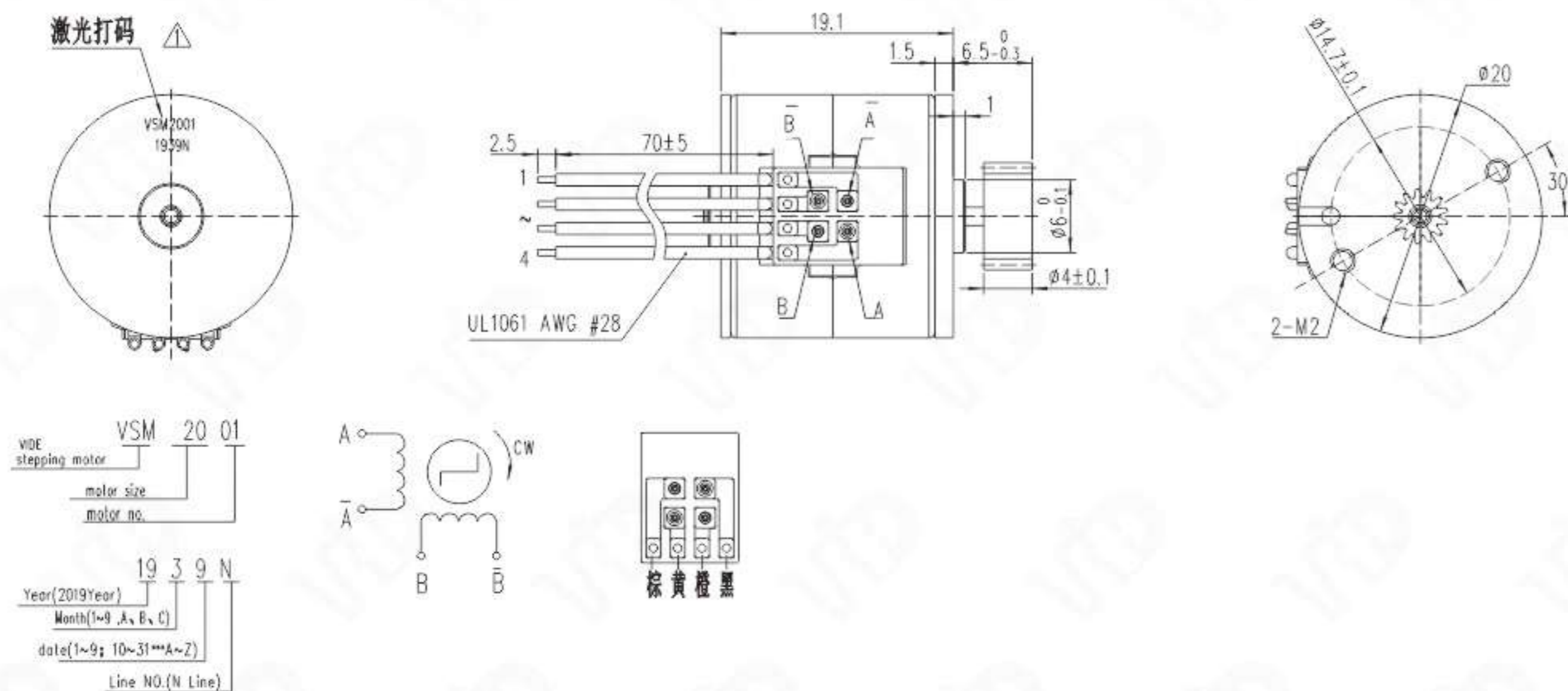
VSM20

SERIES
VSM2001

应用领域 Application

医疗器械、票据打印机、办公自动化、智能家居设备、IT产业、精密仪器
 Medical equipment, paper printer, office automation, intelligent home equipment, IT industry, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VMS2001	24V	20Ω	2-2	18°	900PPS	2500PPS	/	50gf-cm

规格参考 Specification

STEPPING MOTOR 步进电机

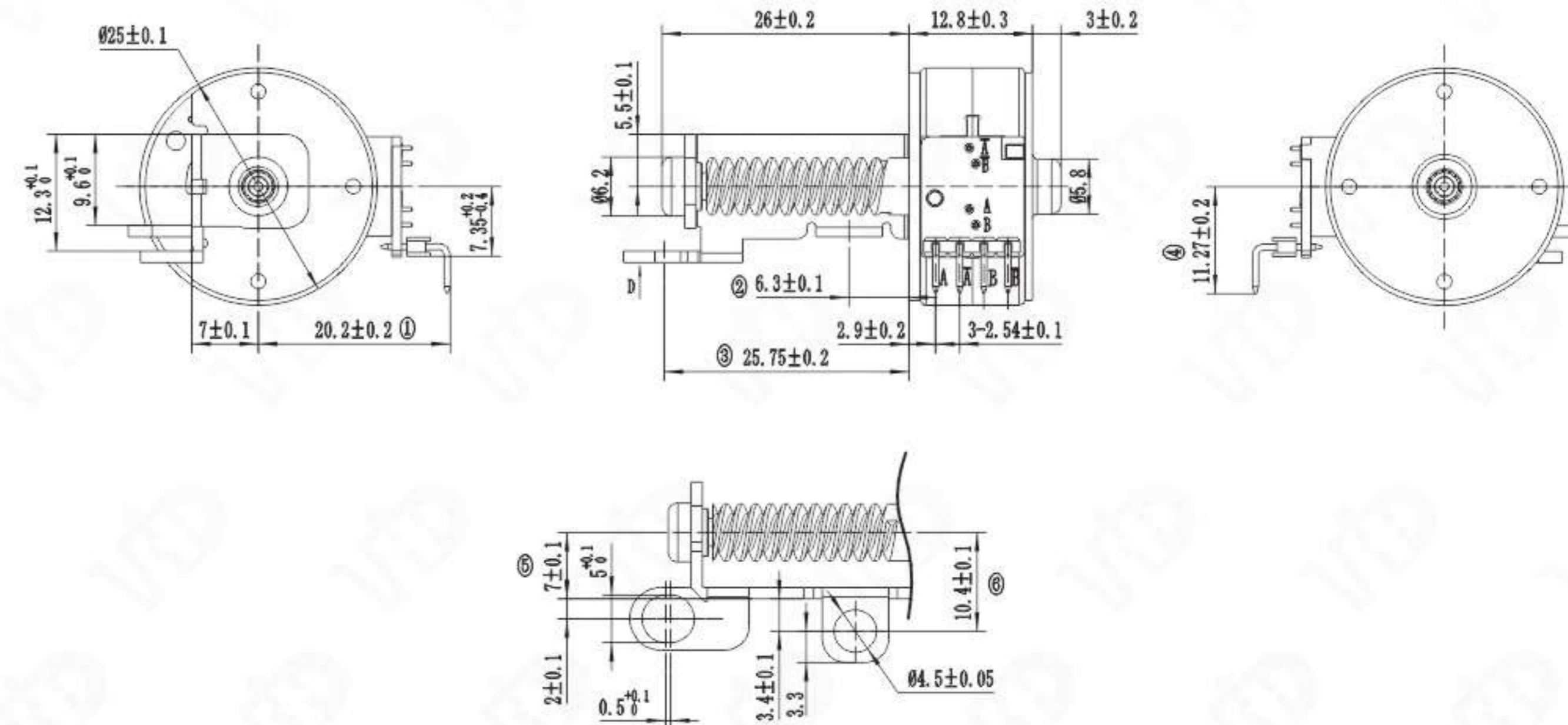
VSM25

SERIES
VSM25S
VSM25M

应用领域 Application

车载系统, 打印机
 Vehicles-mounted System, Printer

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续相应波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM25S	24V	7.2Ω	2-2	15°	800PPS	1800PPS	100gf-cm	110gf-cm
VSM25M	24V	31Ω	2-2	15°	700PPS	1200PPS	210gf-cm	50gf-cm

规格参考 Specification


STEPPING MOTOR 步进电机

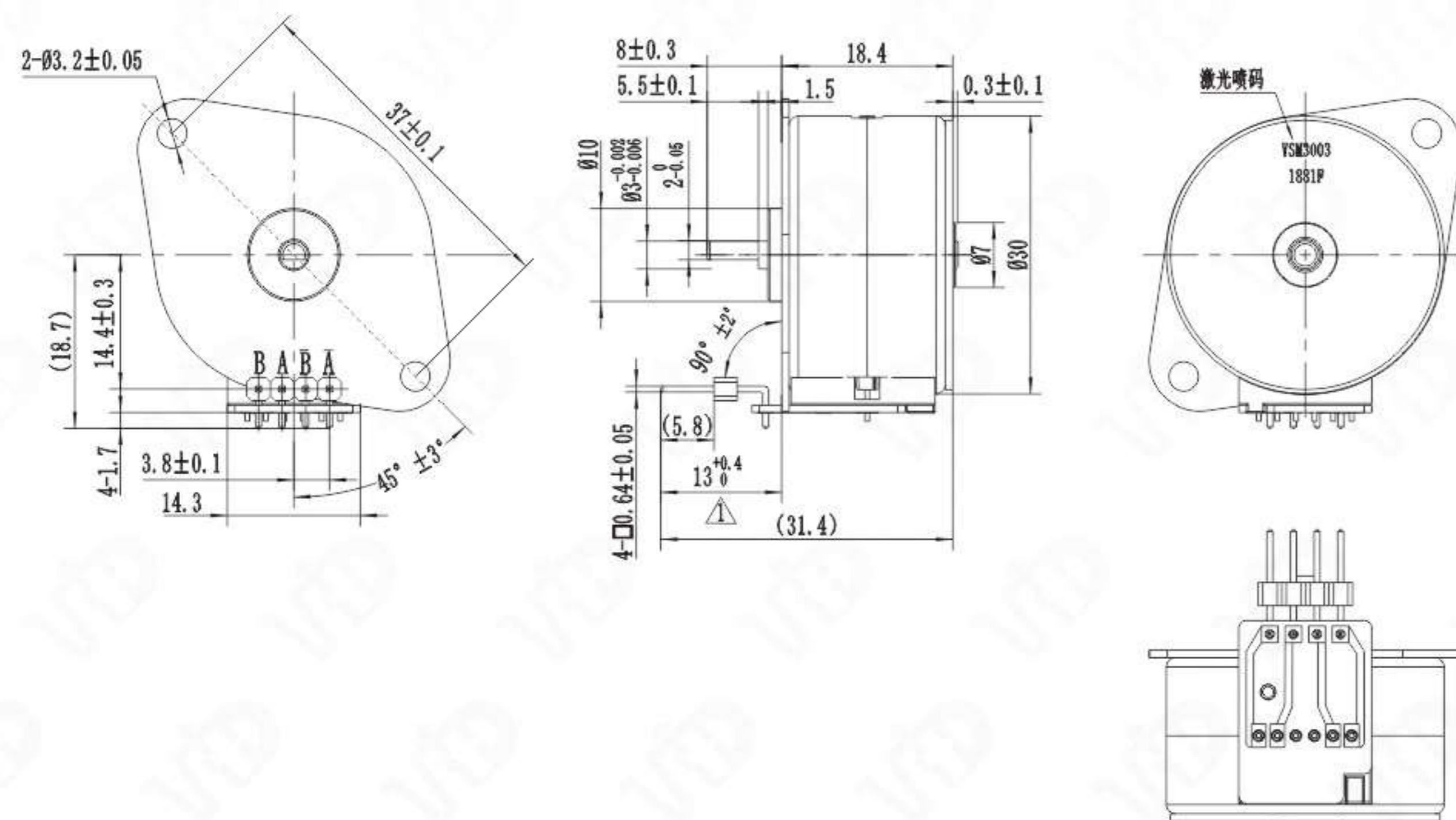
VSM30 SERIES

VSM30


应用领域 Application

 新能源汽车
New energy vehicles


型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动波数 MAX.SELF-START FREQUENCY	最大连续相应波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM30	12V	6.5Ω	2-2	15°	600PPS	1100PPS	120gf-cm	200gf-cm

规格参考 Specification


STEPPING MOTOR 步进电机

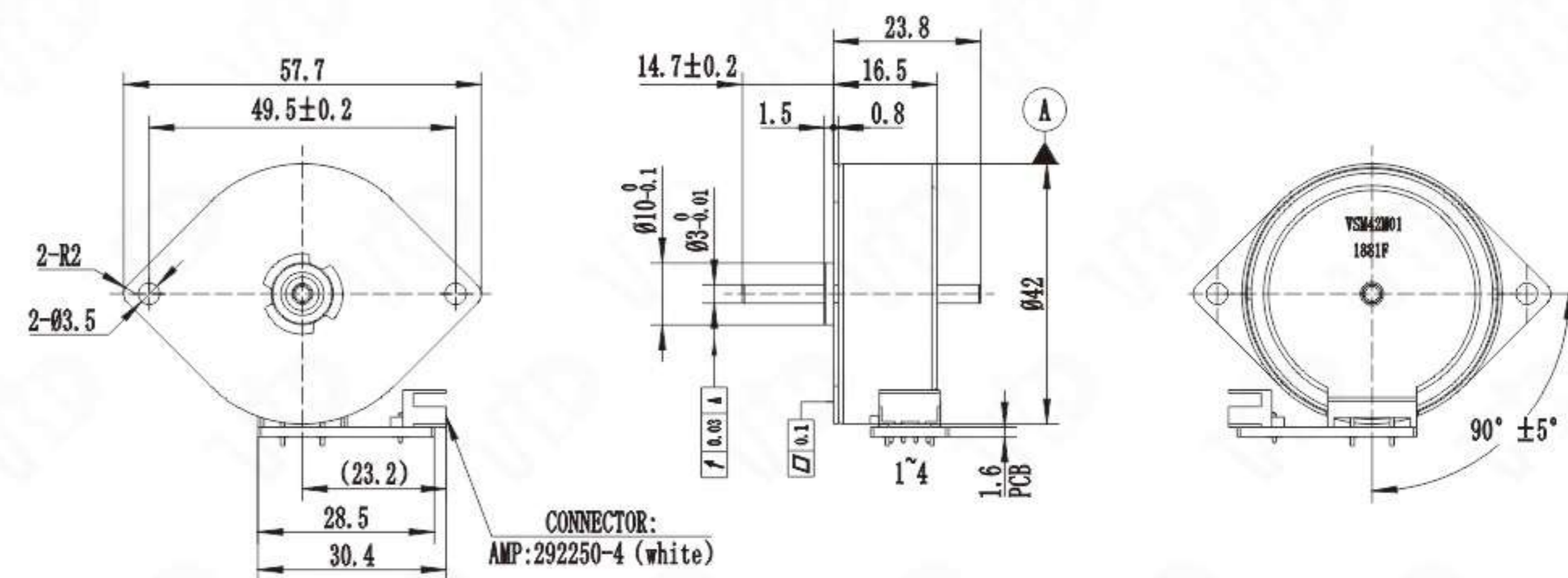
VSM42 SERIES

VSM42


应用领域 Application

 打印复合机
Printing composite machine


型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动波数 MAX.SELF-START FREQUENCY	最大连续相应波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM42	24V	7.6Ω	2-2	3.75°	1000PPS	2000PPS	430gf-cm	490gf-cm

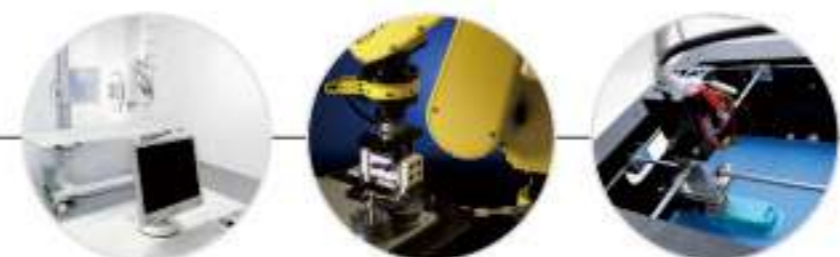
规格参考 Specification


STEPPING MOTOR 步进电机

HB

SERIES

VHSM28

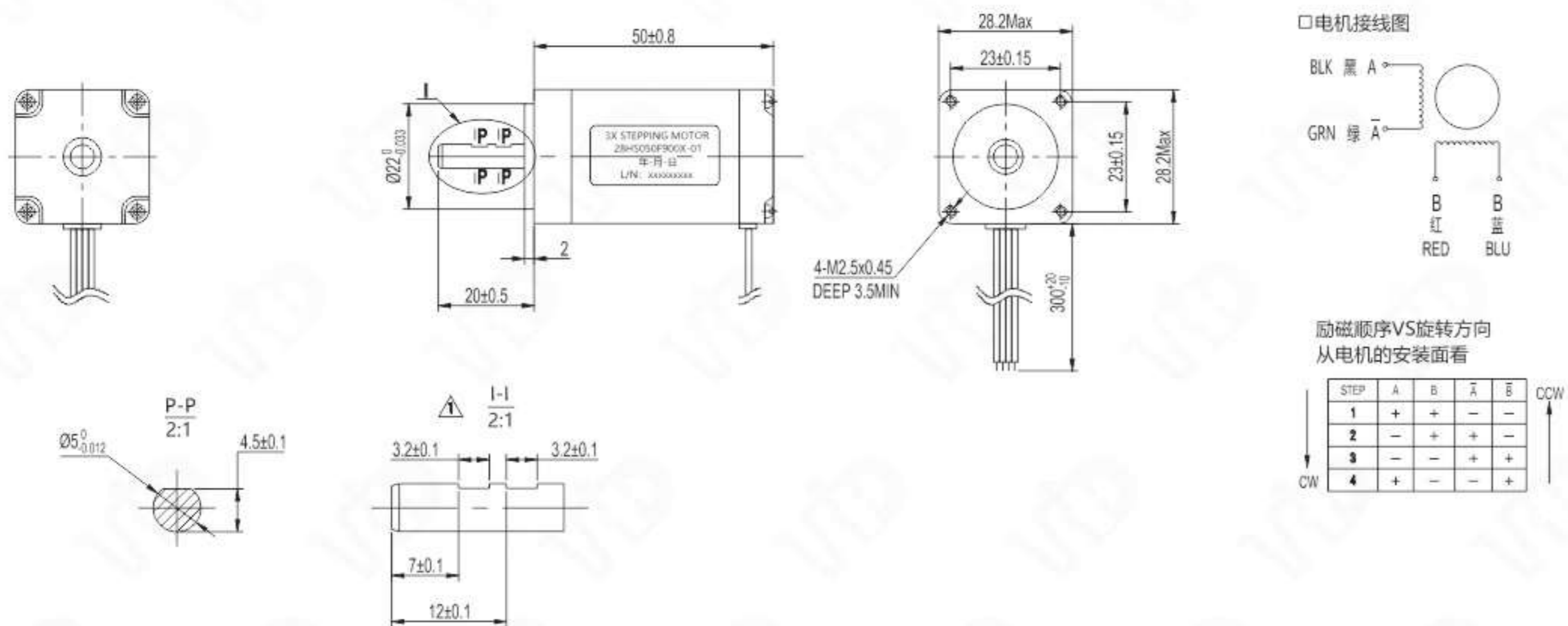


应用领域 Application

医疗器械、工业机器人、3D打印、云台
Medical Equipment, Industrial Robot, 3D-Printer, Pan-Tilt

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	步距精度 STEP ACCURACY	保持力矩 HOLDING TORQUE	自定位力矩 DETENT TORQUE	转子惯量 ROTOR INERTIA
VHSM28	0.8A	9Ω	2-2	1.8°	± 5%	15N.cm	0.8N.cm	18g.cm ²

规格参考 Specification

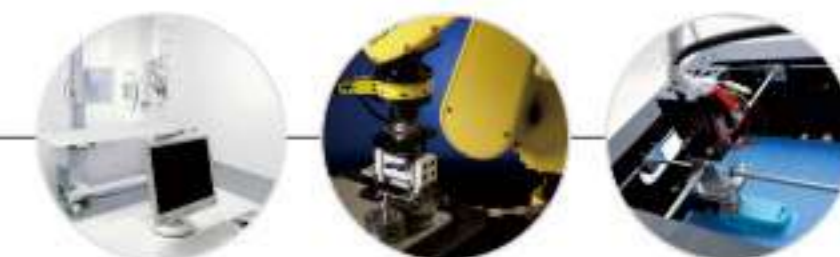


STEPPING MOTOR 步进电机

HB

SERIES

VHSM35

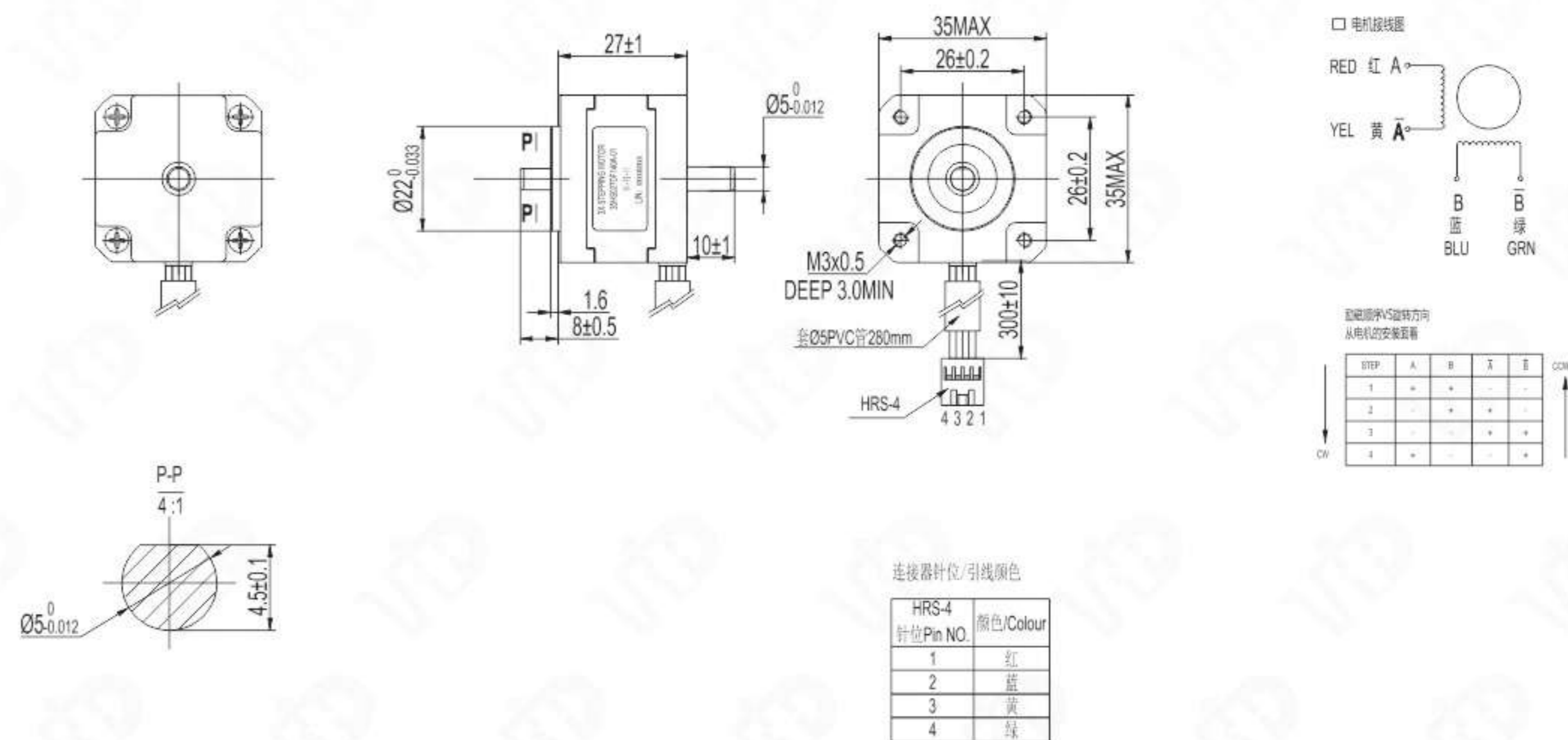


应用领域 Application

医疗器械、工业机器人、3D打印、云台
Medical Equipment, Industrial Robot, 3D-Printer, Pan-Tilt

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	步距精度 STEP ACCURACY	保持力矩 HOLDING TORQUE	自定位力矩 DETENT TORQUE	转子惯量 ROTOR INERTIA
VHSM35	1.5A	1.4Ω	2-2	1.8°	± 5%	14N.cm	1N.cm	14g.cm ²

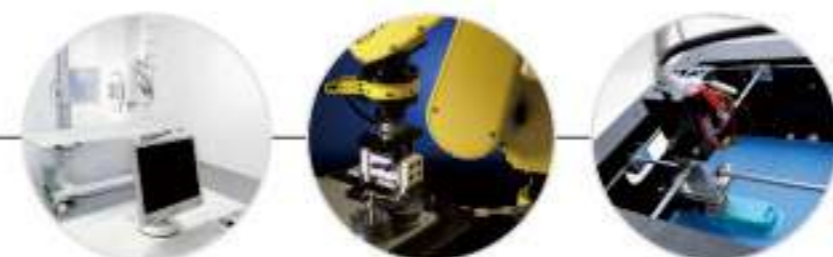
规格参考 Specification



STEPPING MOTOR 步进电机

HB SERIES

VHSM42



应用领域 Application

医疗器械、工业机器人、3D打印、云台
Medical Equipment, Industrial Robot, 3D-Printer, Pan-Tilt

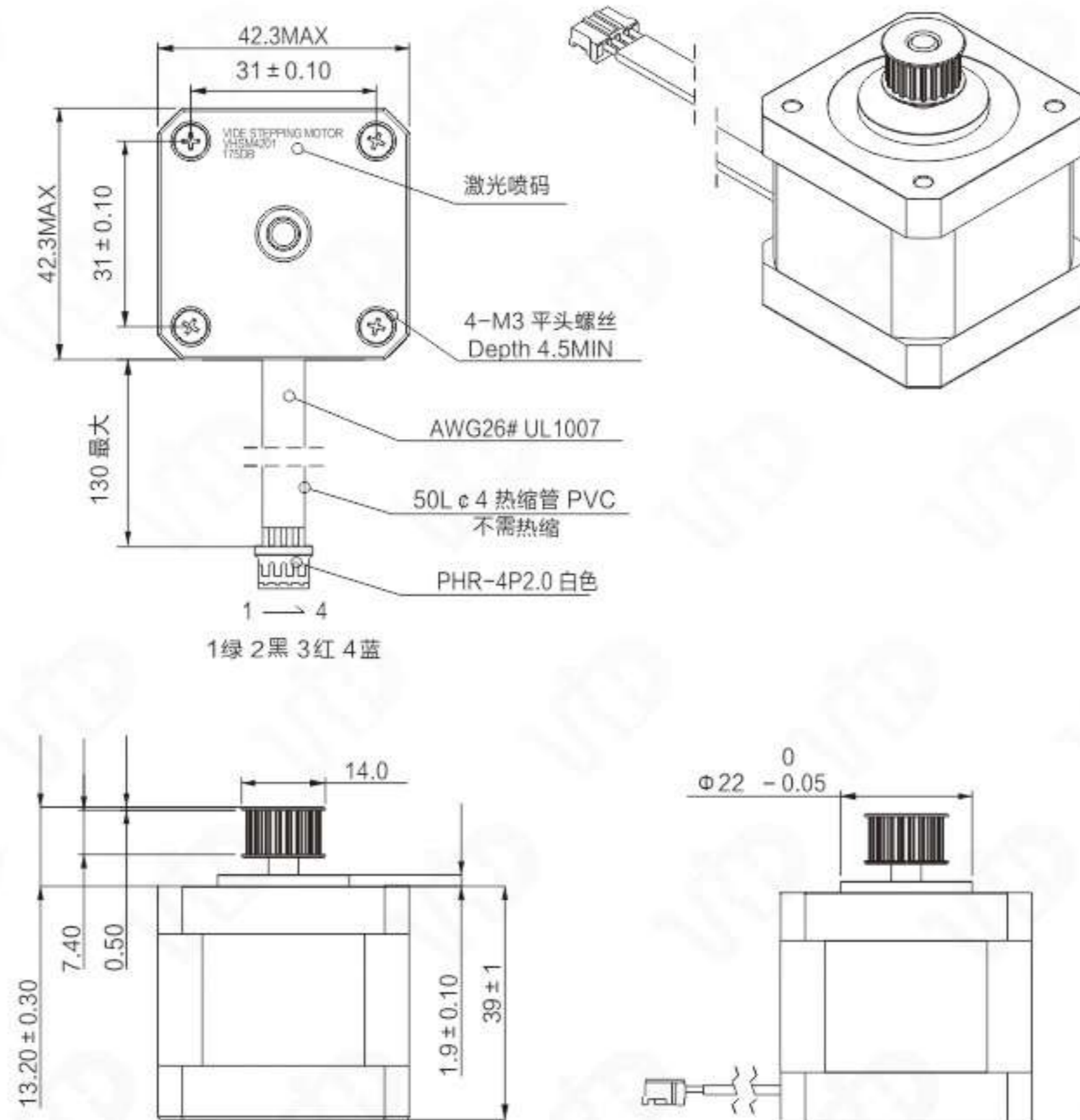
型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	步距精度 STEP ACCURACY	保持力矩 HOLDING TORQUE	自定位力矩 DETENT TORQUE	转子惯量 ROTOR INERTIA
VHSM42	12.0V	14 ±10%Ω	2-2	1.8°	±5%	3.8 (kg.cm)	54 (gf.cm)	9 gf.cm(min.)

规格参考 Specification

CONNECTION DIAGRAM



齿型	MXL
齿数	20
节距	2.032
内宽	0.84 ±0.05
压力角	12.43°
模数	S1
材质	铜件



GEAR MOTOR 减速电机

VGSM06 SERIES

VGSM0608



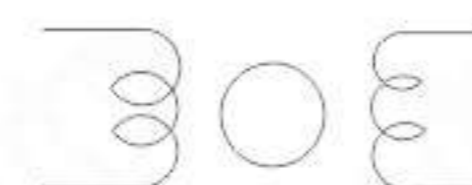
应用领域 Application

数码相机、手机照相、网络视频、医疗器械、精密仪器
Digital camera, mobile phone camera, network video, medical equipment

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX. CONTINUOUS RESPONSE FREQUENCY	输出力矩 OUTPUT TORQUE	减速比 GEARBOX RATIO	失步/循环 STEP-OUT/CYCLE
VGSM0608	3.3V	12 ±10%Ω	2-2	18°	1300 pps(min.)	2500pps(min.)	50gf.cm(1:80)	1:80	15 Max.(1:80)

规格参考 Specification

CONNECTION DIAGRAM



SEQUENCE OF EXCITATION

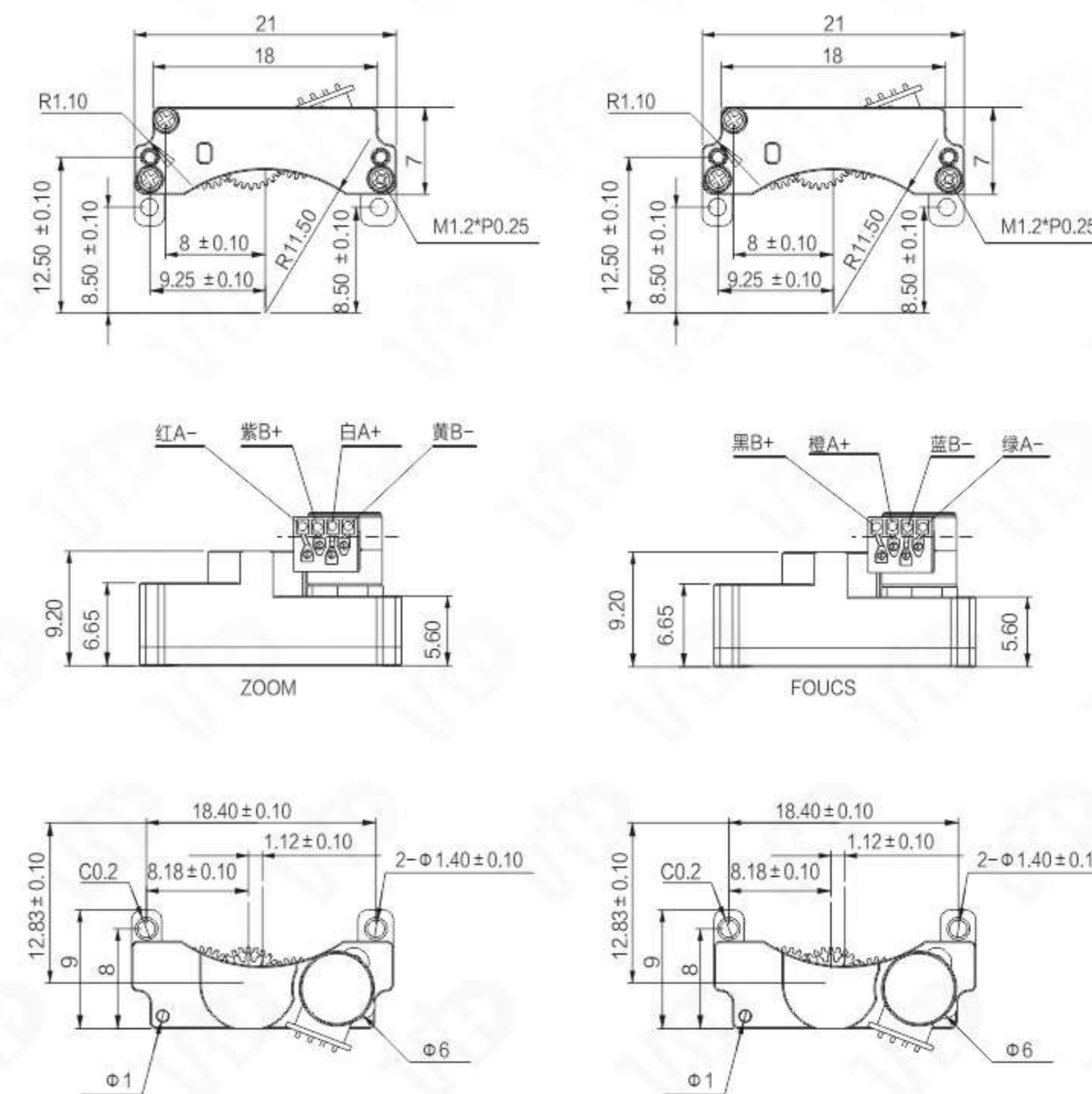
STEP	1	2	3	4
PHASE				
A	+	+	-	-
\bar{A}	-	-	+	+
B	-	+	+	-
\bar{B}	+	-	-	+

FOCUS OUTPUT SHAFT ROTATION CW

STEP	1	2	3	4
PHASE				
A	+	+	-	-
\bar{A}	-	-	+	+
B	-	+	+	-
\bar{B}	+	-	-	+

ZOOM OUTPUT SHAFT ROTATION CW

模数	0.3
压力角	20°
齿数	14
分度圆	4.2
齿顶圆直径	4.8 ⁰ _{-0.04}
跨齿厚	1.387 ⁰ _{-0.02} (跨齿数=2)
精度	JIS B 1702 3级



GEAR MOTOR 减速电机

VGSM08

VGSM0843



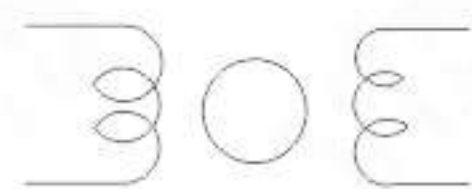
应用领域 Application

数码相机、手机照相、网络视频、医疗器械、精密仪器
Digital camera, mobile phone camera, network video, medical equipment

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	输出力矩 OUTPUT TORQUE	减速比 GEARBOX RATIO	失步/循环 STEP-OUT/CYCLE
VGSM0843	3.3V	40±10%Ω	2-2	18°	1000 pps(min.)	1200pps(min.)	50gf-cm(1:80)	1:80	15 Max.(1:80)
VGSM0828	3.3V	16±7%Ω	2-2	18°	1000 pps(min.)	1500pps(min.)	120gf-cm(1:62.45)	1:62.45	15 Max.(1:62.45)
VGSM0866	3.3V	40±10%Ω	2-2	18°	1000 pps(min.)	1200pps(min.)	80gf-cm(1:80)	1:80	15 Max.(1:80)

规格参考 Specification

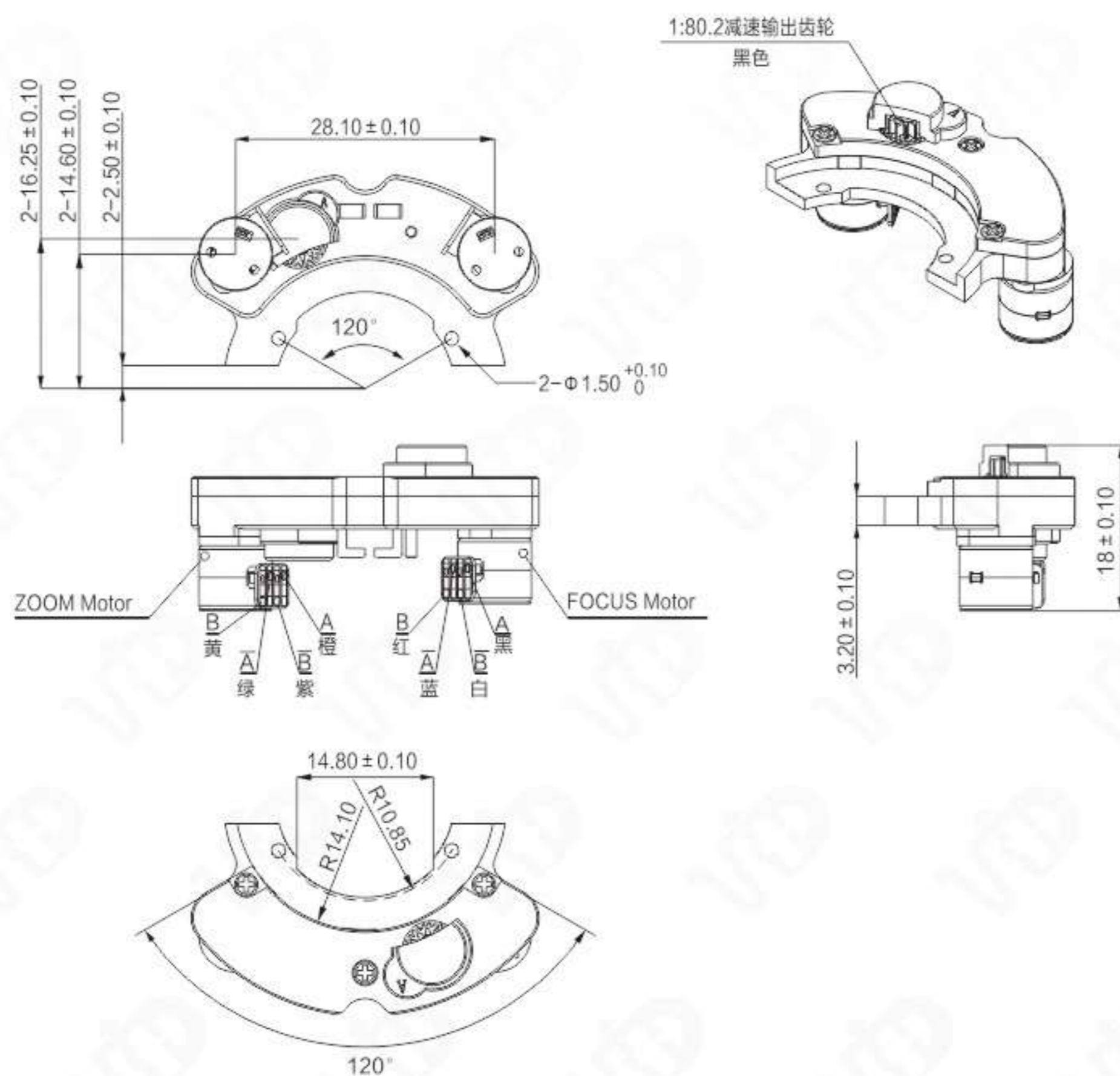
CONNECTION DIAGRAM



SEQUENCE OF EXCITATION				
STEP	1	2	3	4
A	+	+	-	-
\bar{A}	-	-	+	+
B	-	+	+	-
\bar{B}	+	-	-	+

OUTPUT SHAFT ROTATION CW

模数	0.3
压力角	20°
齿数	14
分度圆	4.2
齿顶圆直径	4.8 ⁰ _{-0.04}
跨齿厚	1.387 ⁰ _{-0.02} (跨齿数=2)
精度	JIS B 1702 4级



GEAR MOTOR 减速电机

VGSM10

VGSM10139



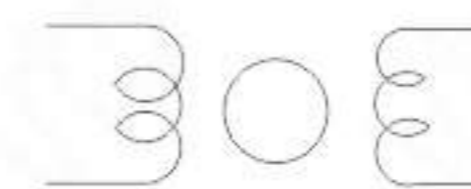
应用领域 Application

数码相机、手机照相、网络视频、医疗器械、精密仪器
Digital camera, mobile phone camera, network video, medical equipment

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	输出力矩 OUTPUT TORQUE	减速比 GEARBOX RATIO	失步/循环 STEP-OUT/CYCLE
VGSM10139	3.3V	20±10%Ω	2-2	18°	800 pps(min.)	1100pps(min.)	50gf-cm(1:20)	1:20	15 Max.(1:20)

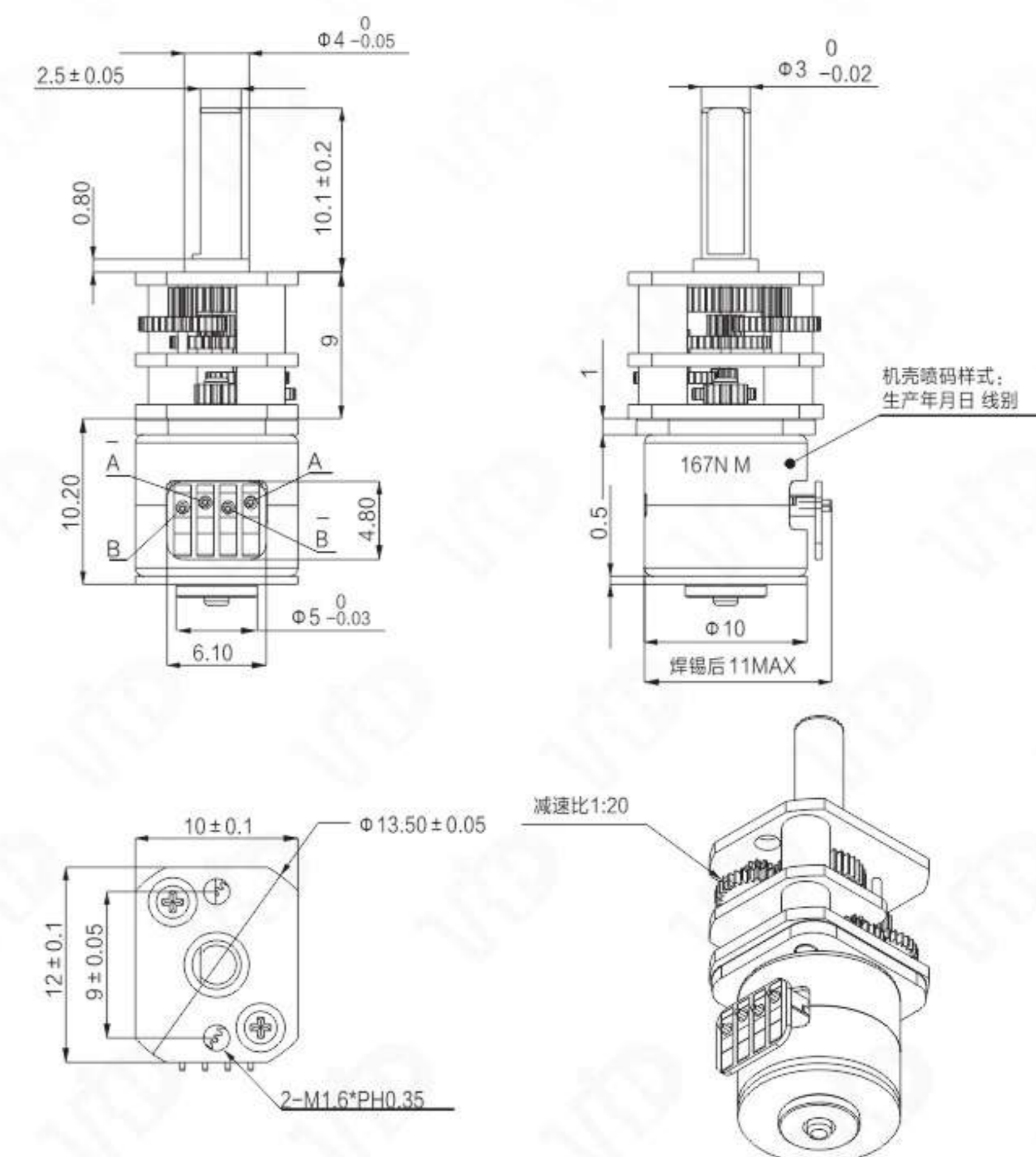
规格参考 Specification

CONNECTION DIAGRAM



SEQUENCE OF EXCITATION				
STEP	1	2	3	4
A	+	+	-	-
\bar{A}	-	-	+	+
B	-	+	+	-
\bar{B}	+	-	-	+

OUTPUT SHAFT ROTATION CW



GEAR MOTOR 减速电机

VFM12

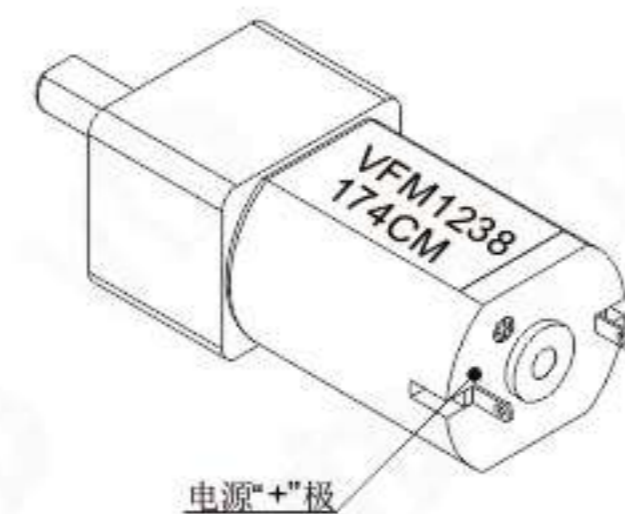
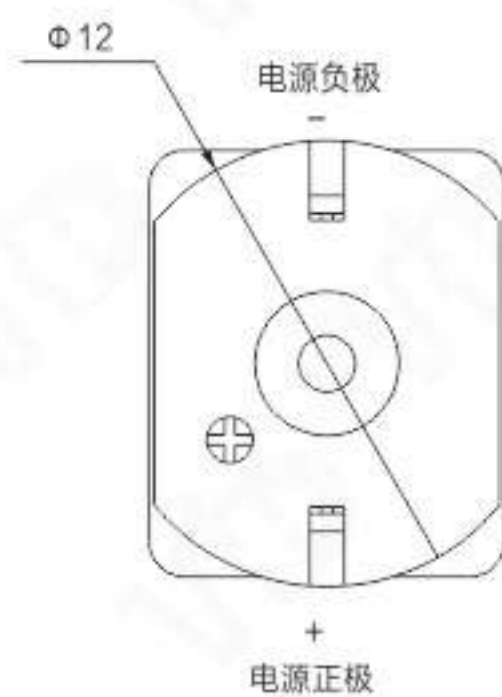
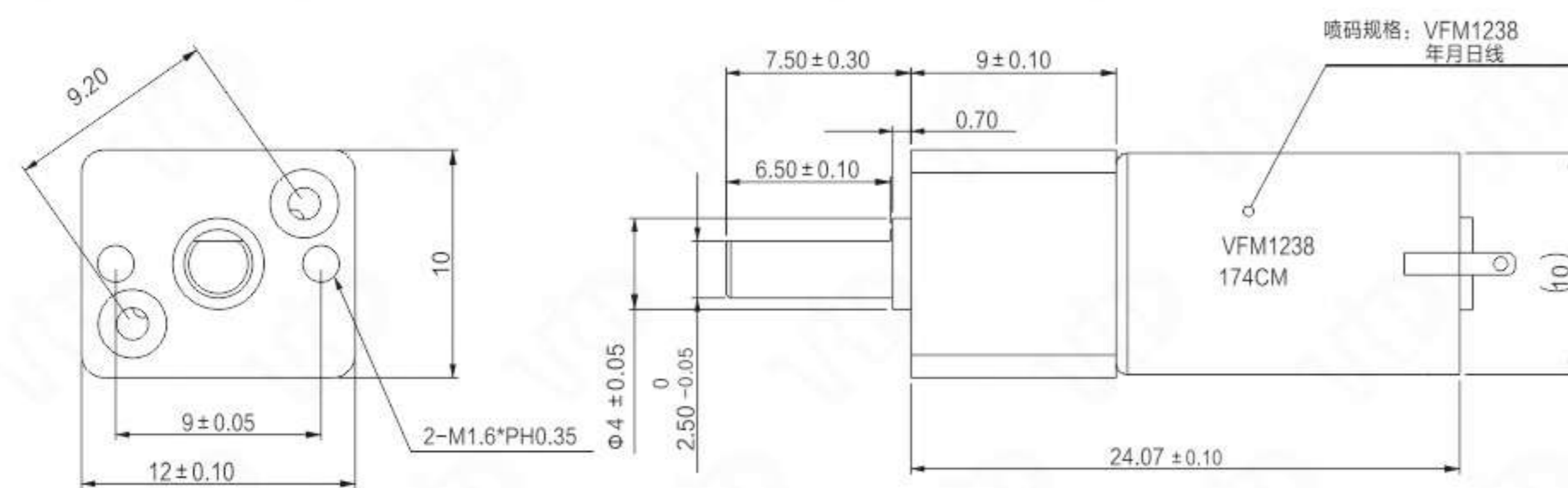
SERIES

VFM1238

应用领域 Application

MD录音机、汽车CD机、便携式摄像机、数码相机、共享单车
 MD sound recorder, Auto-car CD player, Portable Camera,
 Digital Camera, Shared-bike

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	空载转速 NO-LOAD SPEED	空载电流 NO-LOAD CURRENT	输出齿轮打滑力矩 OUTPUT GEAR SLIDING TORQUE
VFM1238	3.7VDC	25RPM±3%	40mA Max.	282 ± 56.4 gf.cm(min.)
VFM1232	6.0 VDC	50±5RPM	40mA Max.	500 gf.cm(min.)
VFM1235	3.7VDC	220RPM±10%	45mA Max.	300 gf.cm(min.)

规格参考 Specification

GEAR MOTOR 减速电机

VGSM15

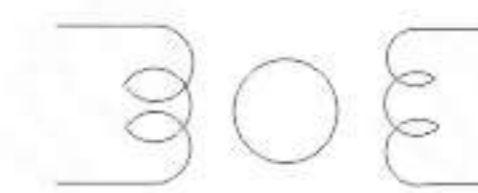
SERIES

VGSM1509

应用领域 Application

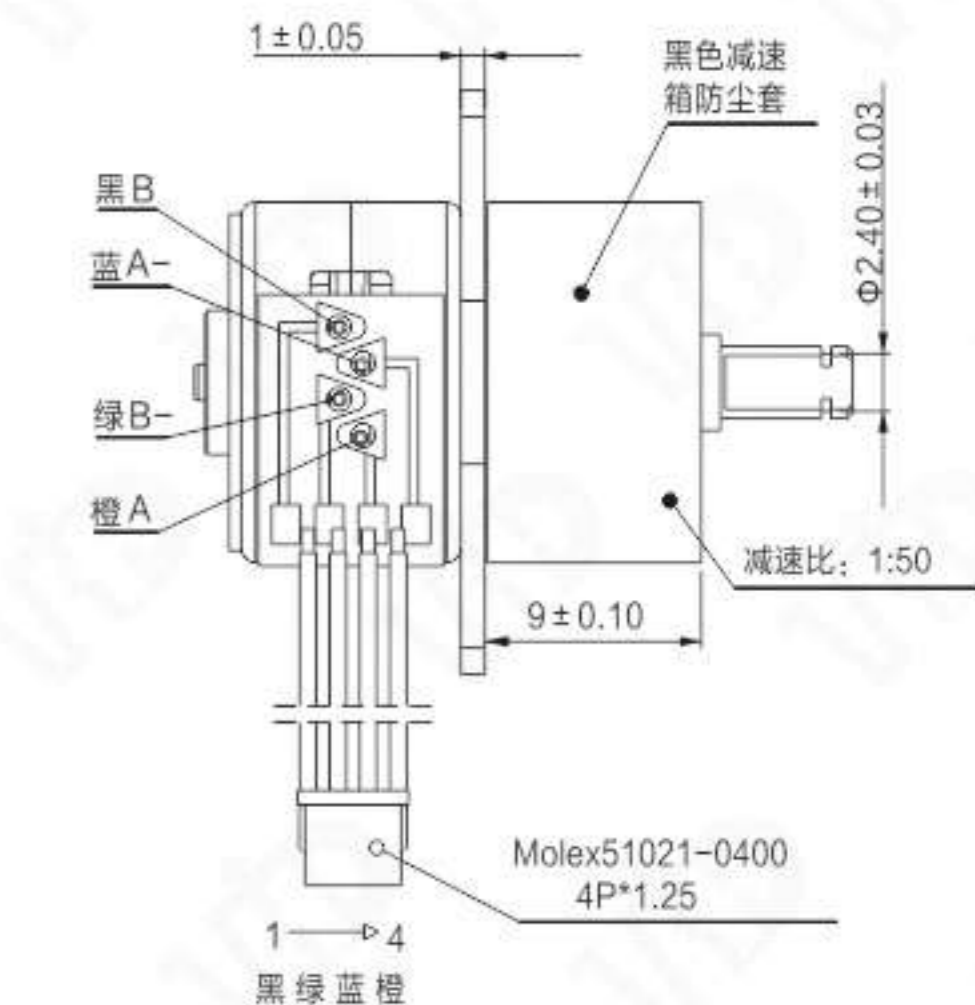
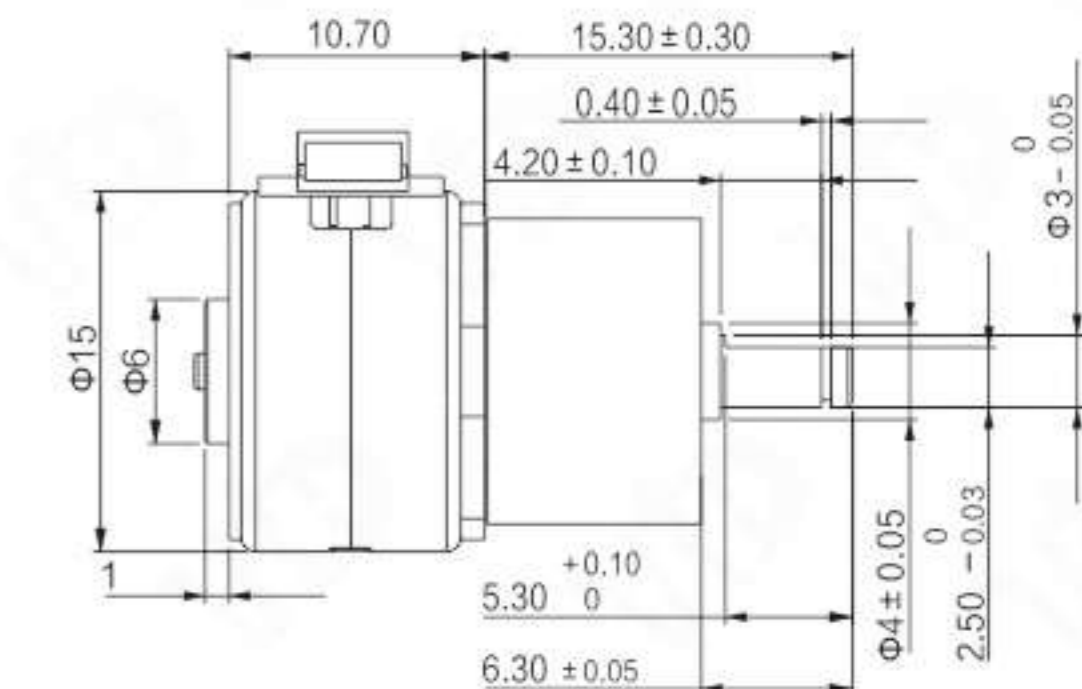
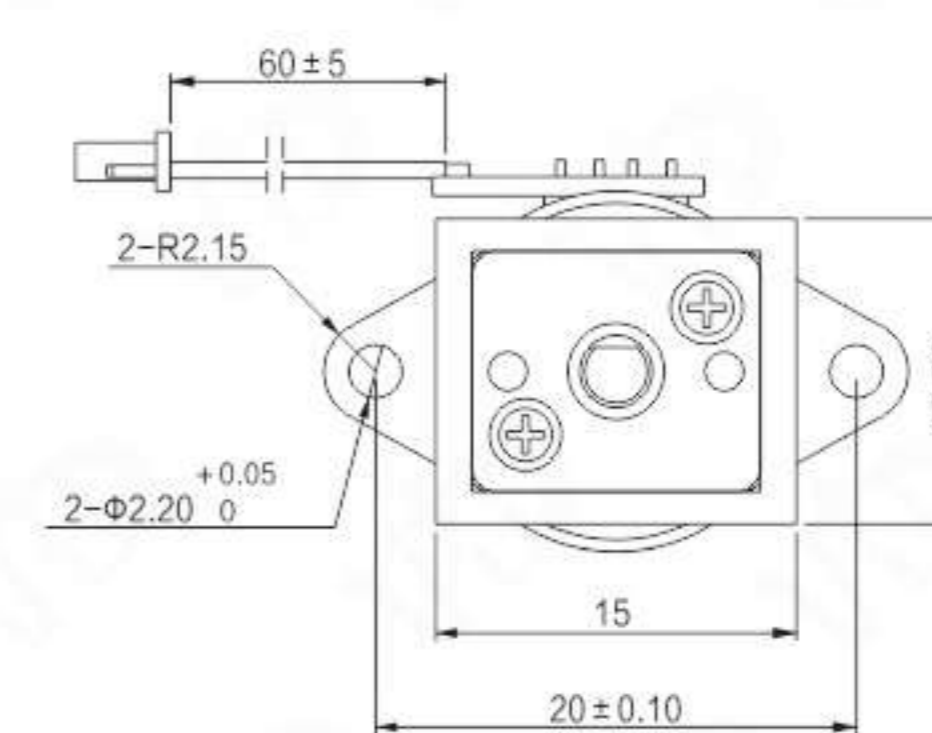
数码相机、手机照相、网络视频、医疗器械、精密仪器
 Digital camera, mobile phone camera, network video, medical equipment

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX. CONTINUOUS RESPONSE FREQUENCY	输出力矩 OUTPUT TORQUE	减速比 GEARBOX RATIO	失步/循环 STEP-OUT/CYCLE
VGSM1509	5.0V	10±10%Ω	2-2	18°	1000 pps(min.)	1850pps(min.)	390gf-cm(1.50)	1:50	15 Max.(1.50)
VGSM1516	5.0V	10±10%Ω	2-2	18°	1000 pps(min.)	1850pps(min.)	1930gf-cm(1.298)	1:298	15 Max.(1.298)

规格参考 Specification
CONNECTION DIAGRAM


SEQUENCE OF EXCITATION				
STEP	1	2	3	4
A	+	+	-	-
Ā	-	-	+	+
B	-	+	+	-
B̄	+	-	-	+

OUTPUT SHAFT ROTATION CW



GEAR MOTOR 减速电机

VGSM20

SERIES

VGSM2031

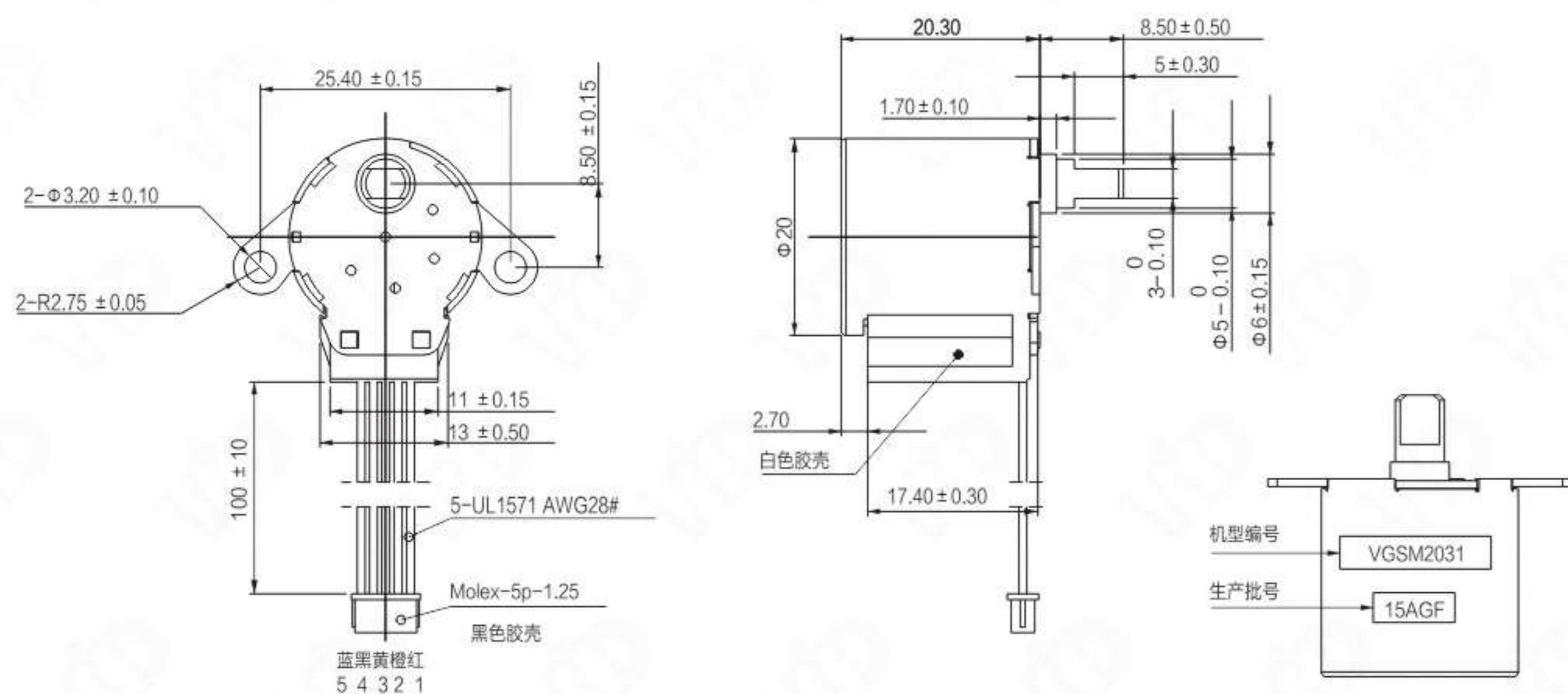


应用领域 Application

安防监控设备、办公自动化、IT产业、精密仪器
Security monitoring equipment, office automation, IT industry, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	空载牵入频率 PULL-IN FREQUENCY IN NO-LOAD	空载牵出频率 PULL-OUT FREQUENCY IN NO-LOAD	引入力矩 PULL-IN TORQUE	减速比 GEARBOX RATIO	自定位转矩 COGGING TORQUE
VGSM2031	5.0V	20±7%Ω	4 phase 8step	15°	≥500Hz	≥800Hz	≥80 mN.m(1.85)	1:85	≥70 mN.m
VGSM2014	5.0V	11±7%Ω	2 phase 4step	15°	≥500Hz	≥800Hz	≥80 mN.m(1.85)	1:85	≥70 mN.m

规格参考 Specification

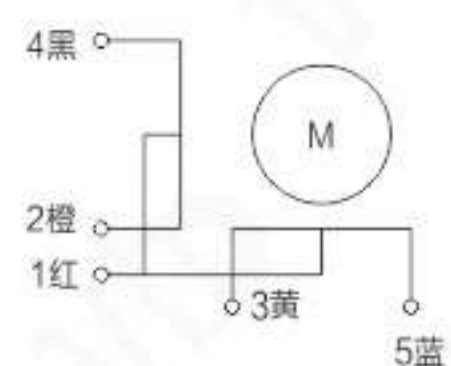


1-2相励磁顺序表

从输出轴方向看——逆时针方向 (CCW)

导线序号	导线颜色	分配顺序							
		1	2	3	4	5	6	7	8
1	红	+	+	+	+	+	+	+	+
2	橙	-	-	-	-	-	-	-	-
3	黄	-	-	-	-	-	-	-	-
4	黑	-	-	-	-	-	-	-	-
5	蓝	-	-	-	-	-	-	-	-

接线示意图



GEAR MOTOR 减速电机

VGSM24

SERIES

VGSM2430

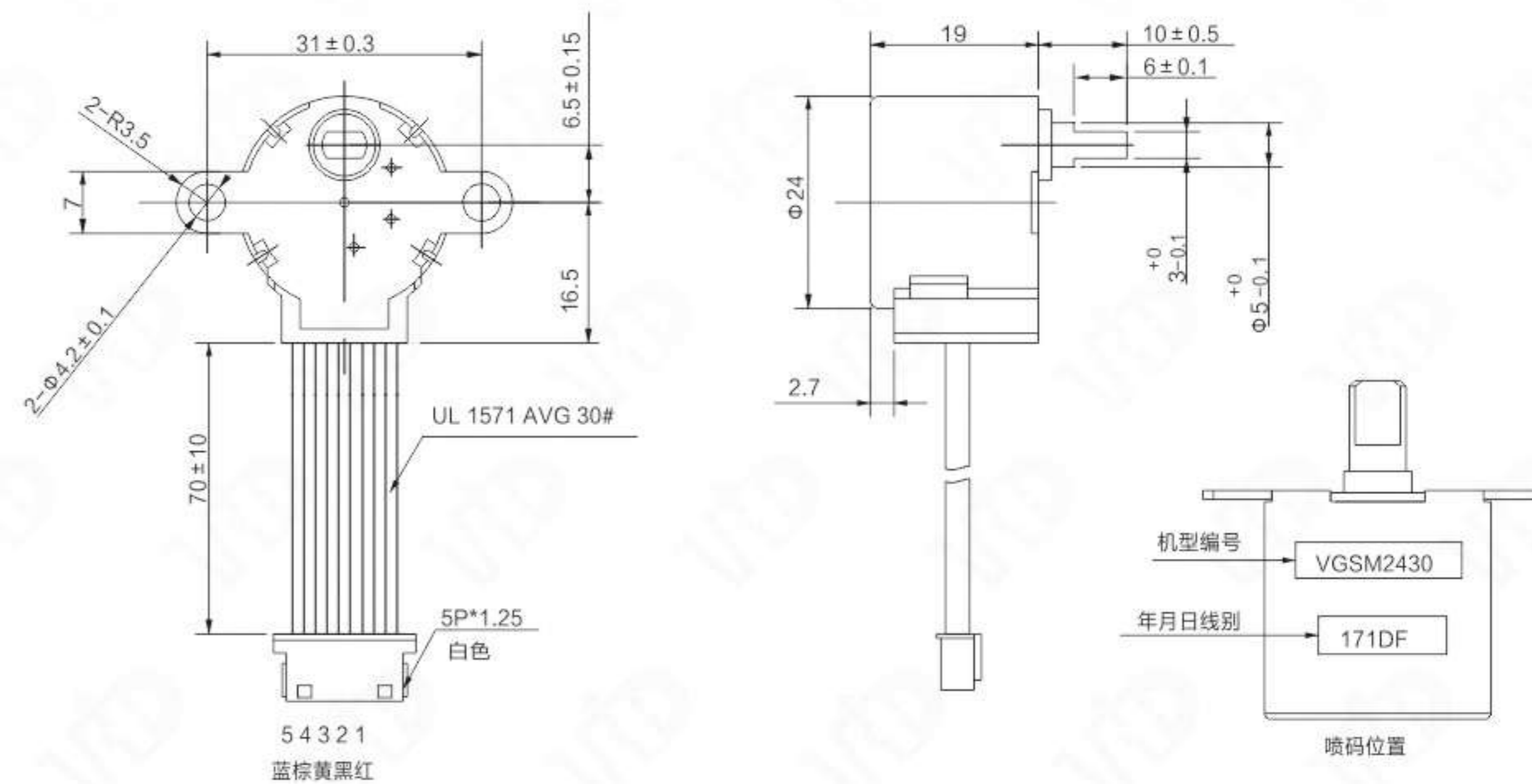


应用领域 Application

安防监控设备、办公自动化、IT产业、精密仪器
Security monitoring equipment, office automation, IT industry, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	空载牵入频率 PULL-IN FREQUENCY IN NO-LOAD	空载牵出频率 PULL-OUT FREQUENCY IN NO-LOAD	引入力矩 PULL-IN TORQUE	减速比 GEARBOX RATIO	自定位转矩 COGGING TORQUE
VGSM2430	5.0V	20±7%Ω	1-2	5.625°	≥500Hz	≥1000Hz	≥85 mN.m(1.64)	1:64	≥50 mN.m
VGSM2406	5.0V	21±7%Ω	4 phase 8step	5.625°	≥500Hz	≥1000Hz	≥80 mN.m(1.64)	1:64	≥80 mN.m

规格参考 Specification

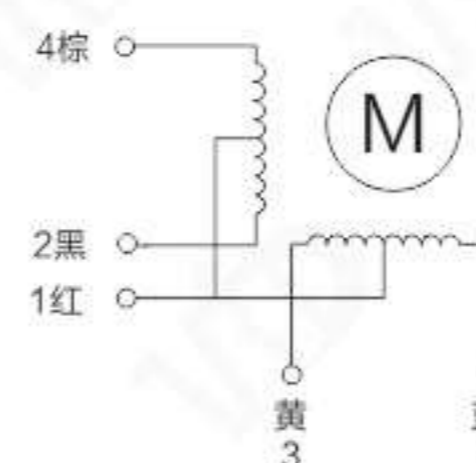


1-2相励磁顺序表

从输出轴方向看——逆时针方向 (CW)

导线序号	导线颜色	分配顺序							
		1	2	3	4	5	6	7	8
5	蓝	-	-	-	-	-	-	-	-
4	棕	-	-	-	-	-	-	-	-
3	黄	-	-	-	-	-	-	-	-
2	黑	-	-	-	-	-	-	-	-
1	红	+	+	+	+	+	+	+	+

接线示意图



GEAR MOTOR 减速电机

VGSM30

SERIES

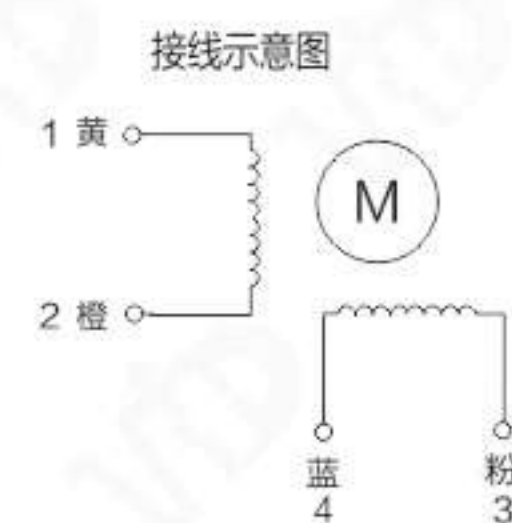
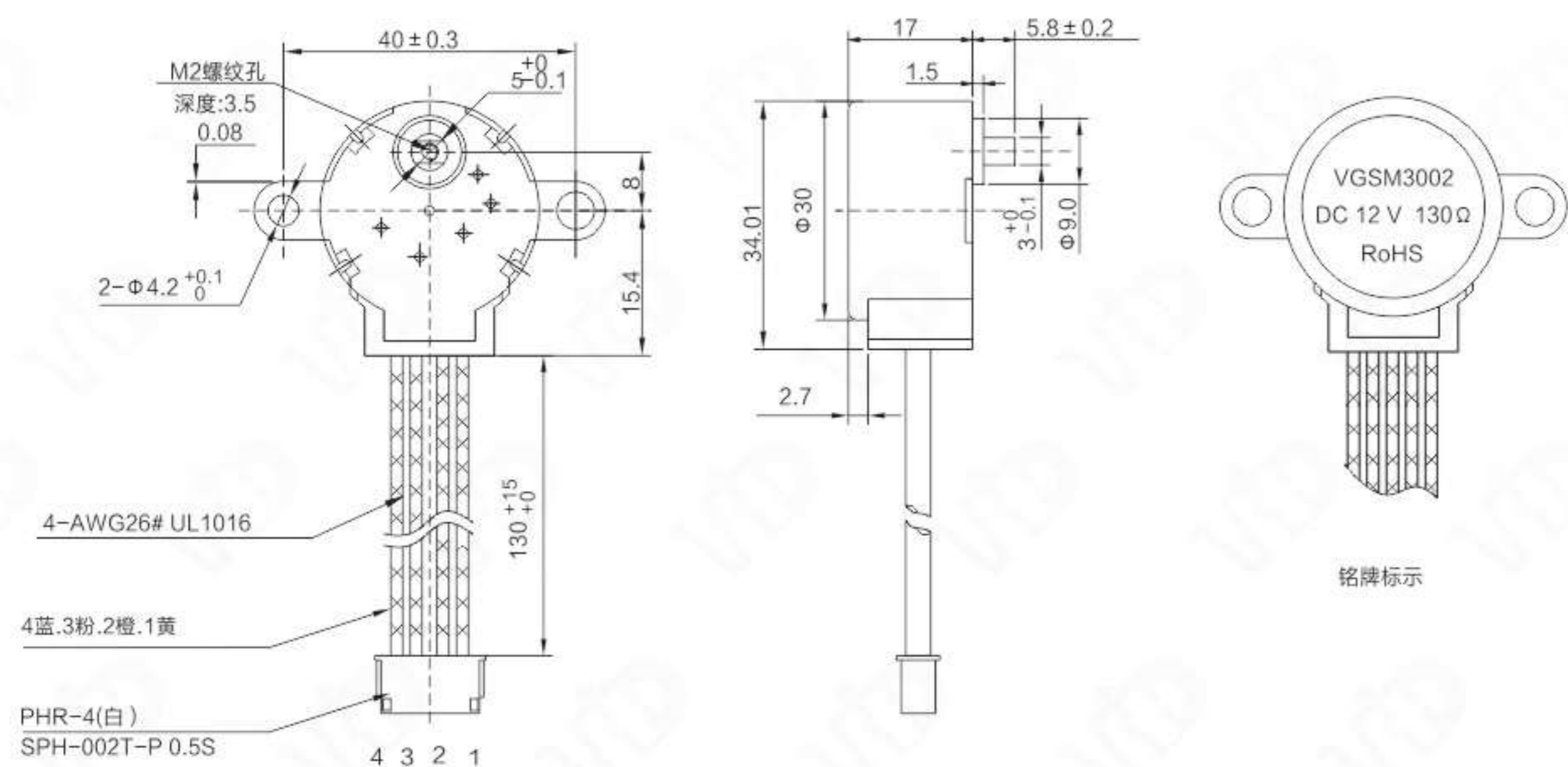


VGSM3002


应用领域 Application

安防监控设备、办公自动化、IT产业、精密仪器
Security monitoring equipment, office automation, IT industry, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	空载牵入频率 PULL-IN FREQUENCY IN NO-LOAD	空载牵出频率 PULL-OUT FREQUENCY IN NO-LOAD	引入力矩 PULL-IN TORQUE	减速比 GEARBOX RATIO	自定位转矩 COGSING TORQUE
VGSM3002	12.0V	130±7%Ω	1-2	7.5°	≥500Hz	≥700Hz	≥100 mN.m(1:85)	1:85	≥150 mN.m

规格参考 Specification

1-2相励磁顺序表

从输出轴方向看——逆时针方向 (CW)

导线序号	导线颜色	分配顺序							
		1	2	3	4	5	6	7	8
4	蓝	-	-	-	-	-	-	-	-
3	粉	-	-	-	-	-	-	-	-
2	橙	-	-	-	-	-	-	-	-
1	黄	-	-	-	-	-	-	-	-

GEAR MOTOR 减速电机

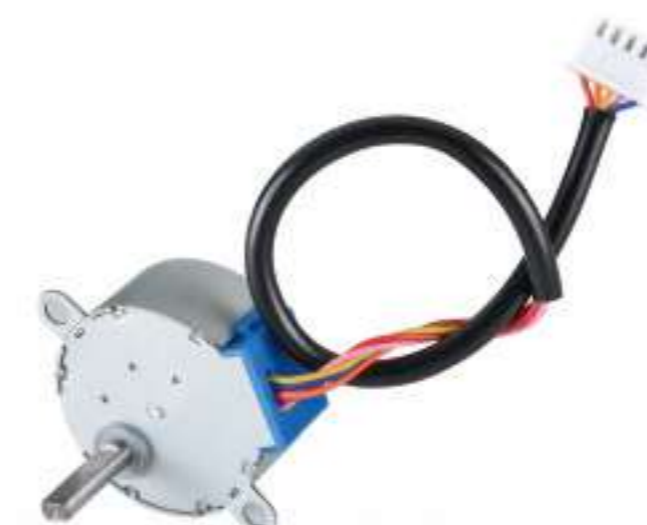
VGSM35

SERIES



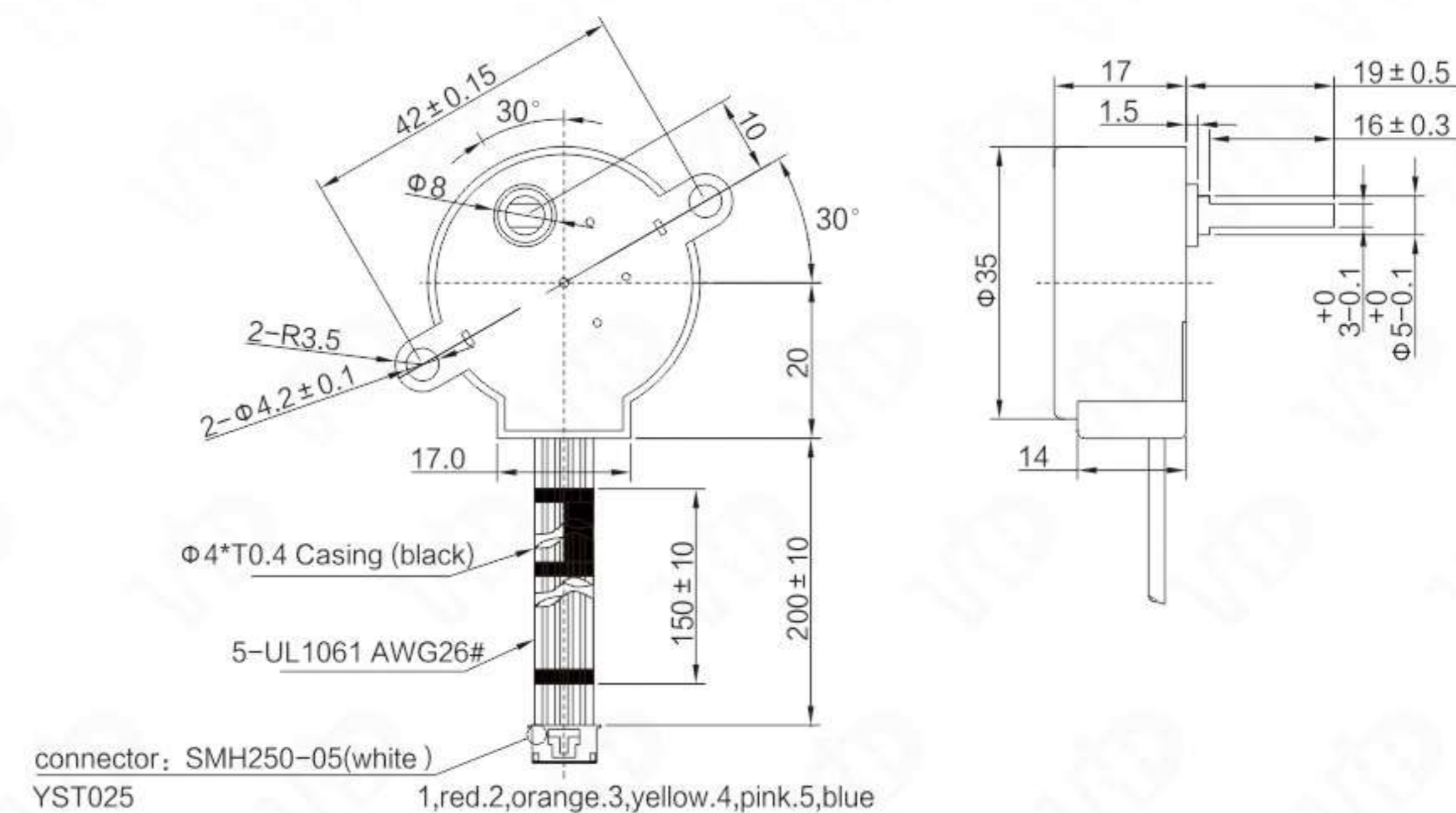
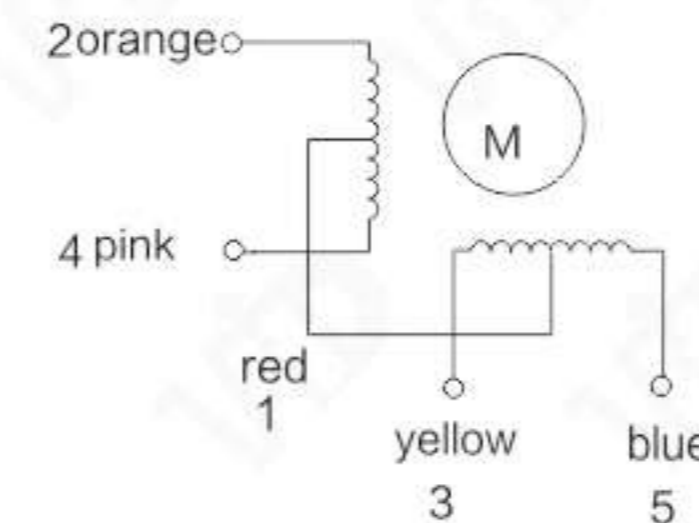
VGSM3512

VGSM3504


应用领域 Application

安防监控设备、办公自动化、IT产业、精密仪器
Security monitoring equipment, office automation, IT industry, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	空载牵入频率 PULL-IN FREQUENCY IN NO-LOAD	空载牵出频率 PULL-OUT FREQUENCY IN NO-LOAD	引入力矩 PULL-IN TORQUE	减速比 GEARBOX RATIO	自定位转矩 COGSING TORQUE
VGSM3512	5.0V	15±7%Ω	1-2	7.5°	≥500Hz	≥800Hz	≥180 mN.m(1:85)	1:85	≥60 mN.m
VGSM3501	12.0V	30±7%Ω	4 phase 8step	3.75°	≥500Hz	≥800Hz	≥350 mN.m(1:64)	1:42.5	≥450 mN.m
VGSM3504	12.0V	20Ω	1-2	3.75°	≥500Hz	≥800Hz	≥350 mN.m(1:64)	1:42.5	≥250 mN.m

规格参考 Specification

interconnecting diagram

1-2phase Excitation order

NO.	colour	allocation sequence							
		1	2	3	4	5	6	7	8
1	red	+	+	+	+	+	+	+	+
2	orange	-	-	-	-	-	-	-	-
3	yellow	-	-	-	-	-	-	-	-
4	pink	-	-	-	-	-	-	-	-
5	blue	-	-	-	-	-	-	-	-

output shaft direction — counter clockwise (CCW)

Brushless Motor 无刷电机

VBLM14 SERIES

VBLM14

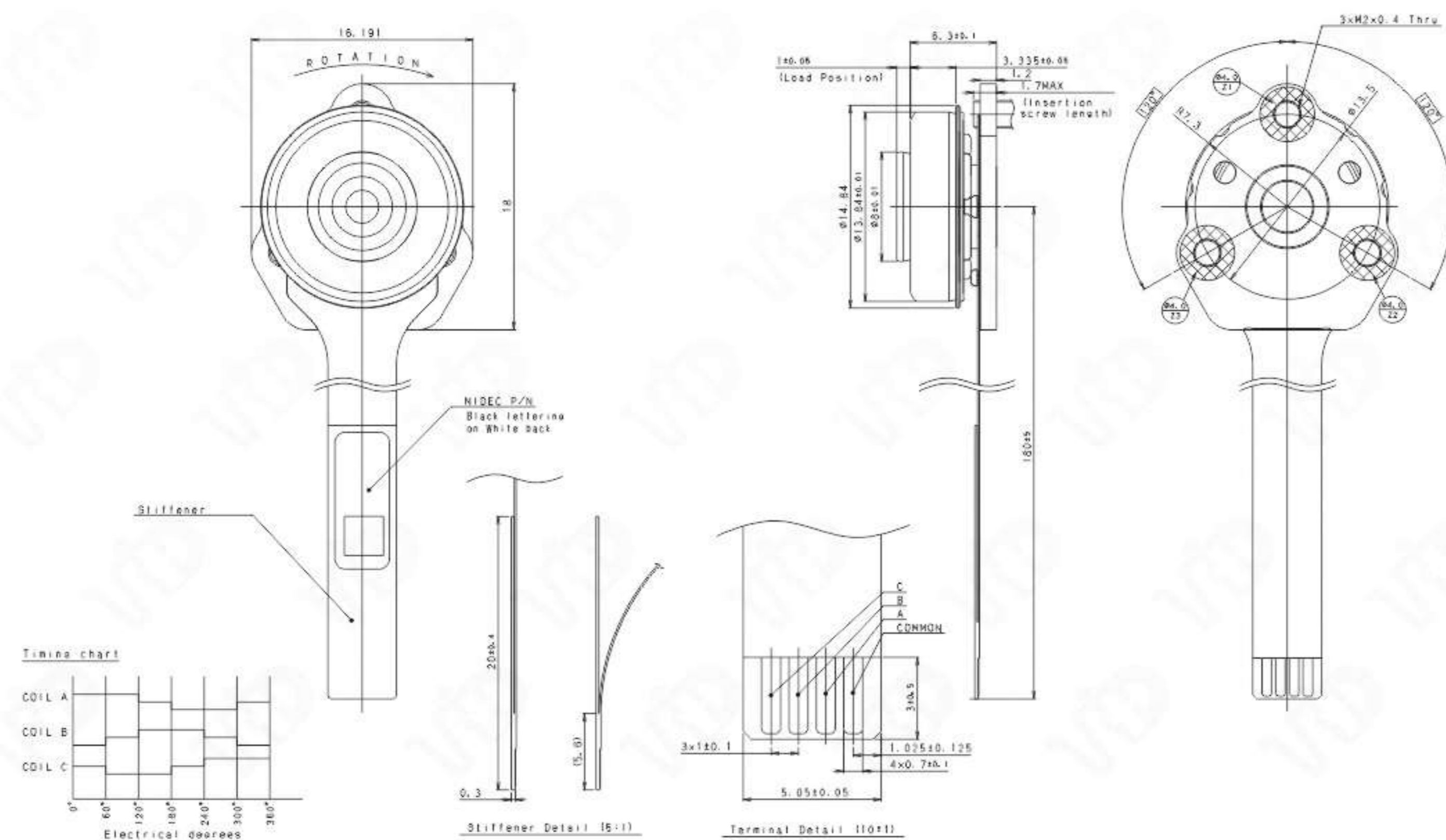


应用领域 Application

智能家居
Smart home

型号 ITEM NUMBER	极对数 POLES	相数 PHASE	额定电压 RATED VOLTAGE	额定转速 RATED SPEED	空载电流 NO-LOAD CURRENT	噪音 NOISE
VBLM14	4极	3相	12V	7200rpm (空载) 10800rpm (负载)	100mA(MAX)	50db

规格参考 Specification



Brushless Motor 无刷电机

VBL62 SERIES

VBL62

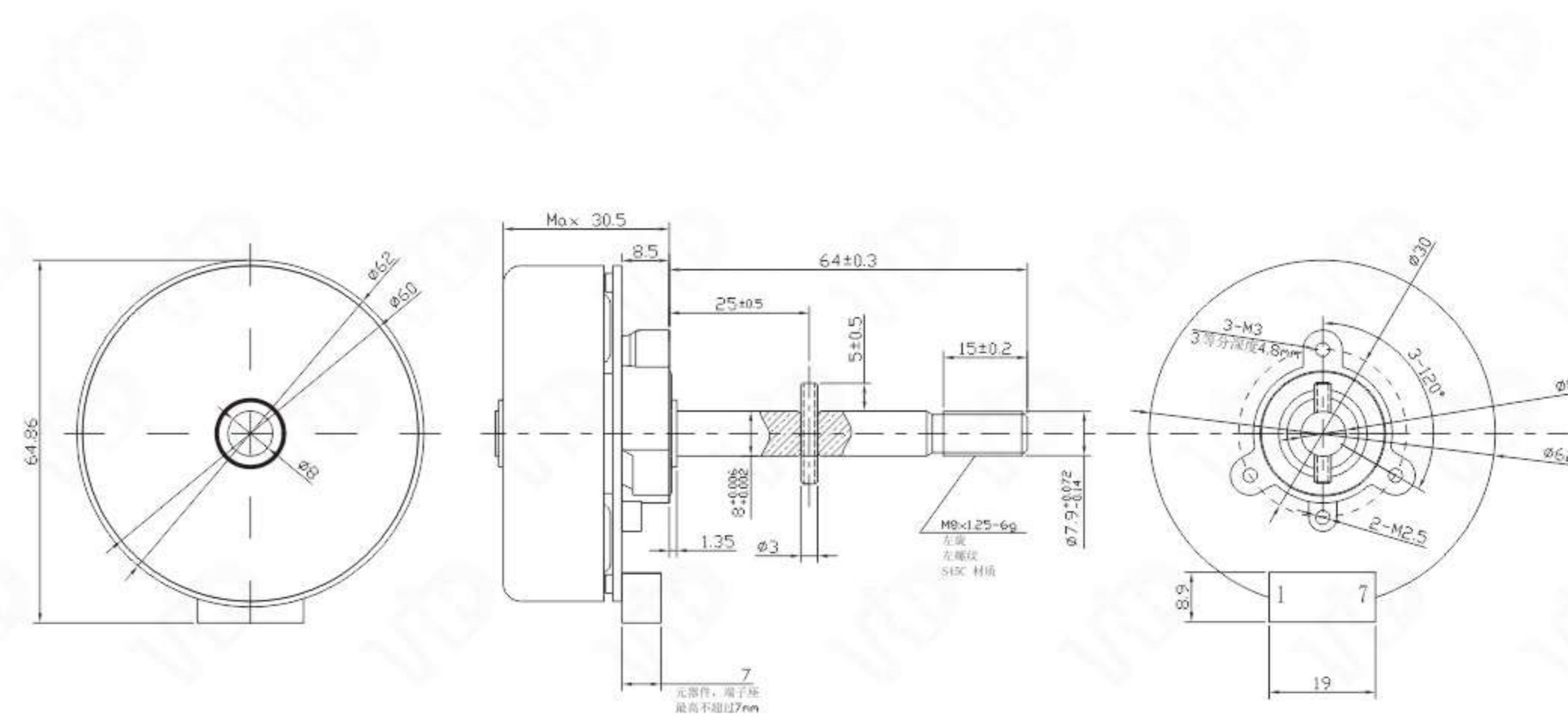


应用领域 Application

智能风扇、空气净化器、筋膜枪
Smart fan, Air purifier, Fascia gun

型号 ITEM NUMBER	极对数 POLES	相数 PHASE	额定电压 RATED VOLTAGE	限制电流 LIMIT CURRENT	额定转速 RATED SPEED	噪音 NOISE
VBL62	12极	3相	24V	5A MAX	1530rpm	42db

规格参考 Specification



SERVO MOTOR 伺服电机

VASM60

SERIES

VASM6001

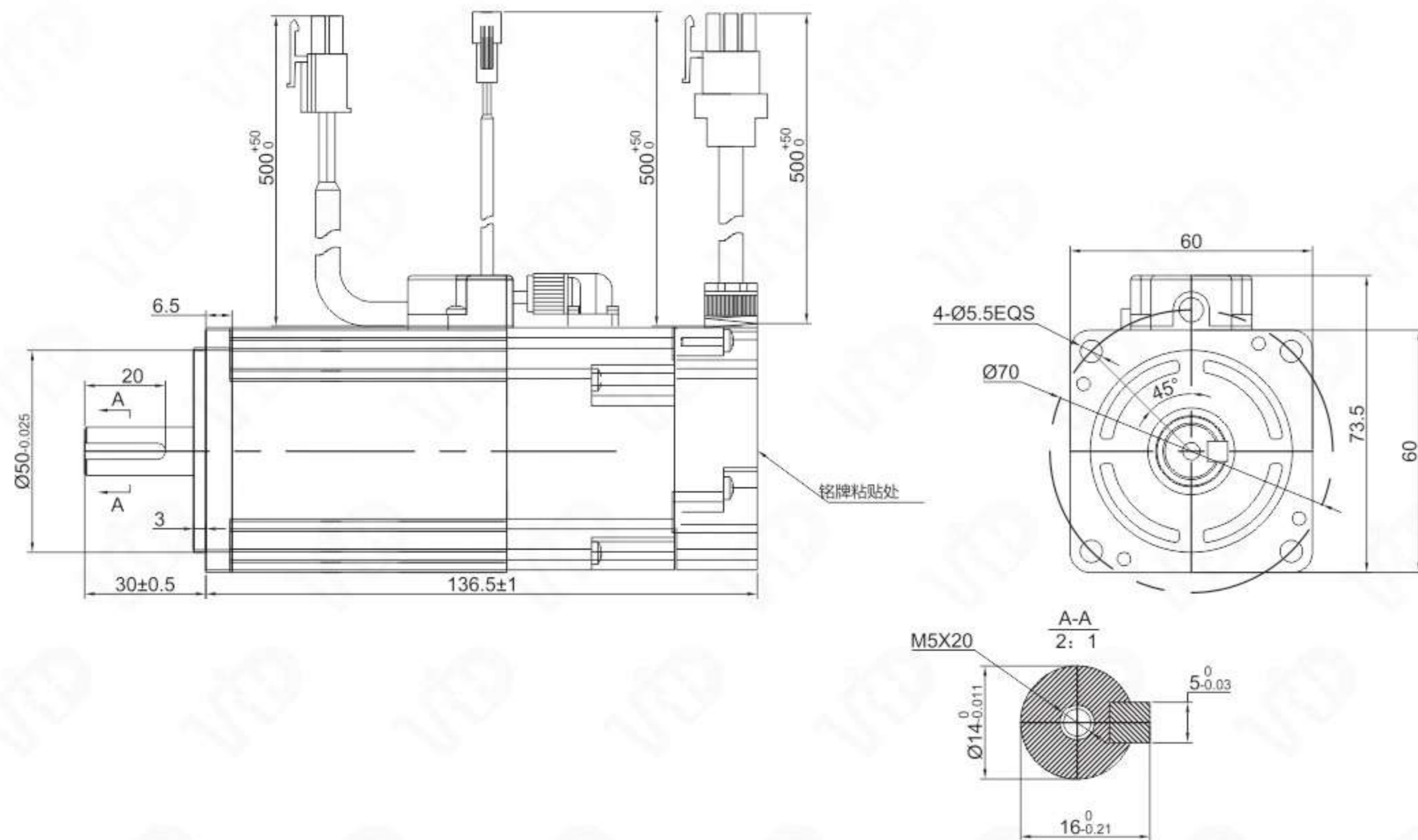


应用领域 Application

机器手臂
Mechanical arm

型号 ITEM NUMBER	极对数 POLES	额定电压 RATED VOLTAGE	额定功率 RATED POWER	额定力矩 RATED TORQUE	额定转速 RATED SPEED	额定电流 RATED CURRENT	最大力矩 MAXIMUM TORQUE	最大电流 MAXIMUM CURRENT	热绝缘等级 INSULATION CLASS	防护等级 SAFETY CLASS	编码器类型 ENCODER TYPE	运行环境 ENVIRONMENT
VASM6001	10	220V	400W	1.27N.m	3000rpm	2.8A	3.81N.m	7.2A	F	Ip54 (不含出力轴)	增量式或绝对值编码器	-20℃ to 40℃ humidity < 90%

规格参考 Specification



SERVO MOTOR 伺服电机

VASM80

SERIES

VASM8001

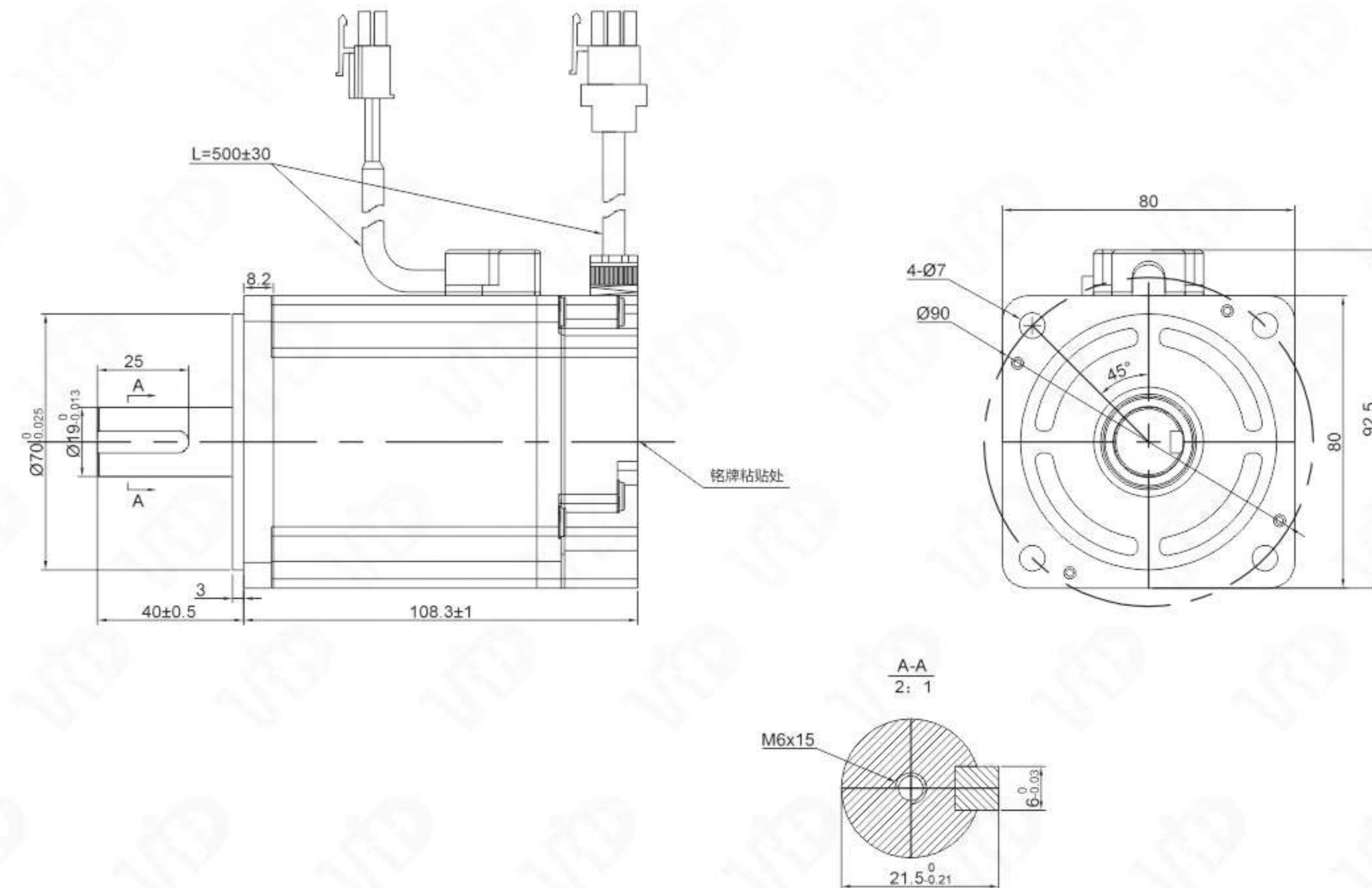


应用领域 Application

机器手臂
Mechanical arm

型号 ITEM NUMBER	极对数 POLES	额定电压 RATED VOLTAGE	额定功率 RATED POWER	额定力矩 RATED TORQUE	额定转速 RATED SPEED	额定电流 RATED CURRENT	最大力矩 MAXIMUM TORQUE	最大电流 MAXIMUM CURRENT	热绝缘等级 INSULATION CLASS	防护等级 SAFETY CLASS	编码器类型 ENCODER TYPE	运行环境 ENVIRONMENT
VASM8001	10	220V	750W	2.4N.m	3000rpm	4.9A	7.2N.m	14.7A	F	Ip54 (不含出力轴)	增量式或绝对值编码器	-20℃ to 40℃ humidity < 90%

规格参考 Specification



IR-CUT VIR_U铁系列

VIR13

SERIES

VIR13

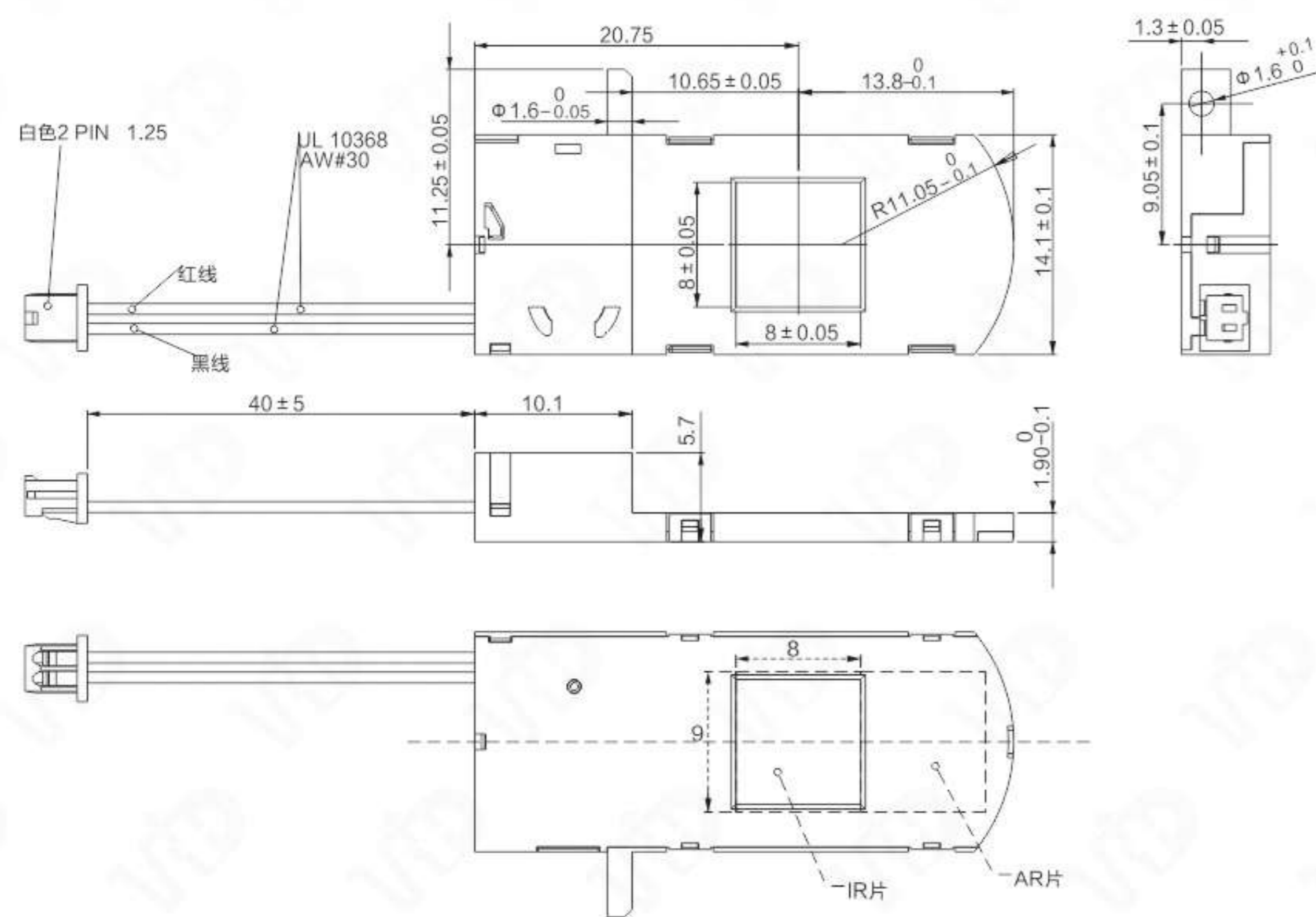


应用领域 Application

监控镜头IR日夜切换、精密仪器
Monitor the lens IR day and night switch, precision instruments

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VIR13	3±0.5V	2-6V	20 ±10%Ω	φ8mm	0.3mm	2
VIR42	3V	6V Max.	20 ±3%Ω	φ8mm	0.21mm	2

规格参考 Specification



IR-CUT

VIR19

SERIES

VIR19

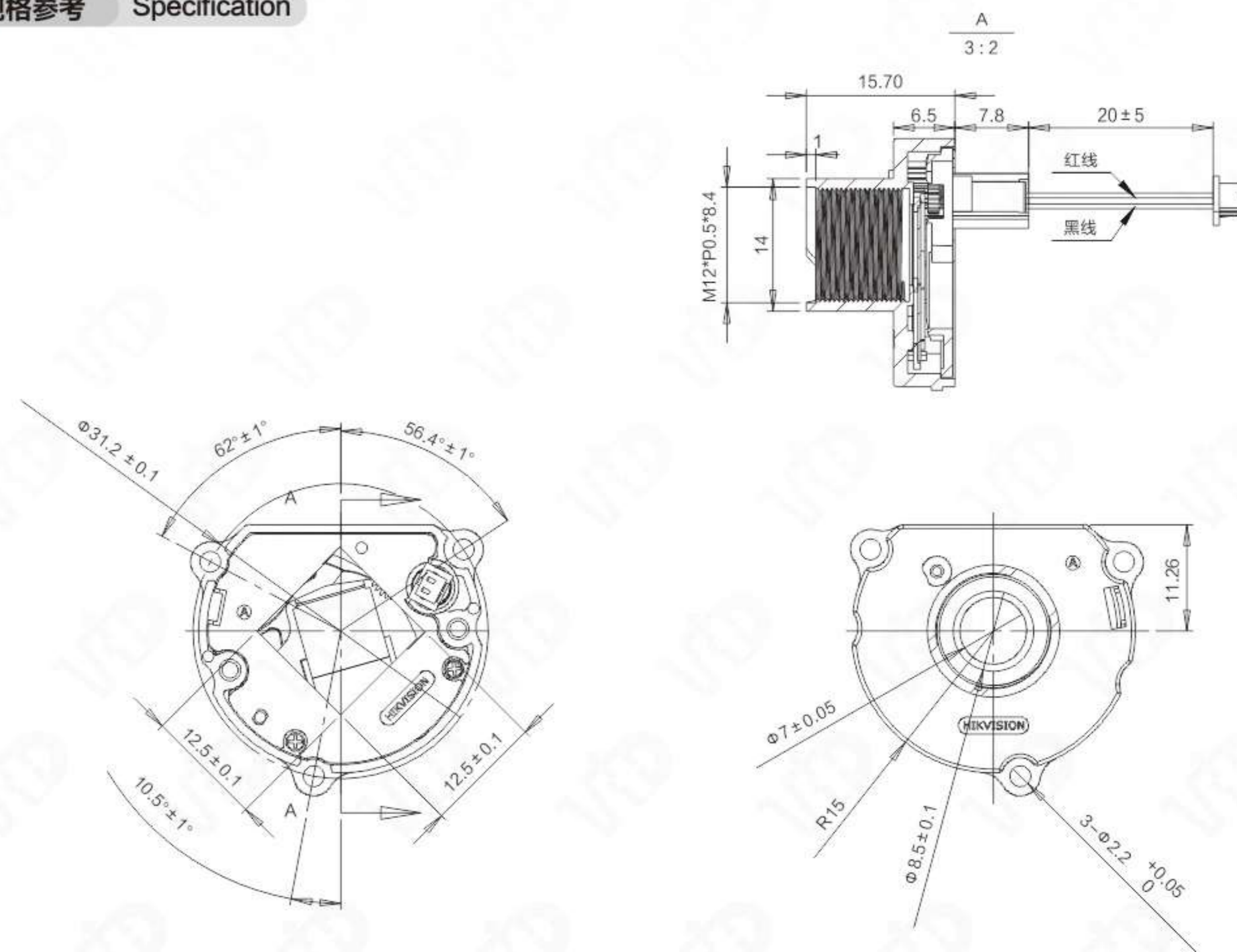


应用领域 Application

车载监控镜头
Vehicle surveillance lens

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VIR19	3.5+/-0.5	3.5-5	25±5Ω	M12	IR 0.3 AR 0.3	2

规格参考 Specification

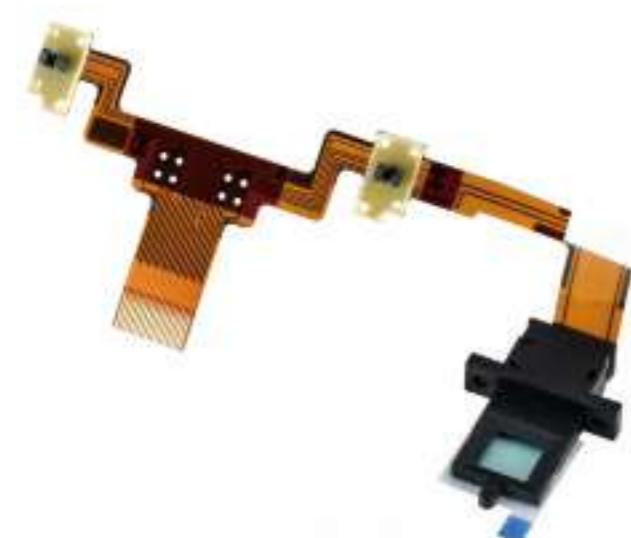


IR-CUT VIR_U铁系列

VIR46



VIR46

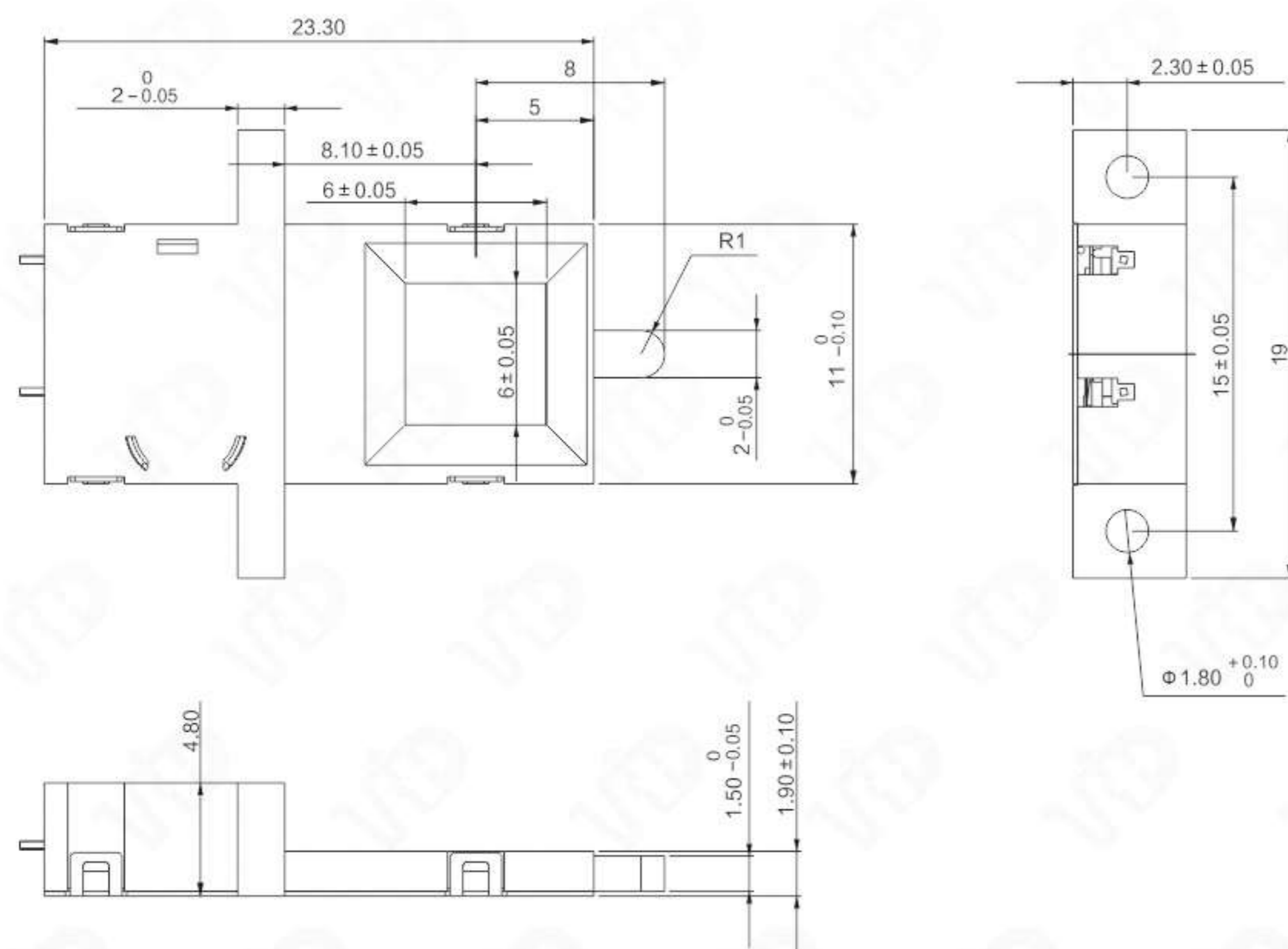


应用领域 Application

mini镜头
mini lens

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VIR46	3.5V	3-6V Max.	180 ±3%Ω	Φ7mm	0.21mm	1

规格参考 Specification



IR-CUT

VIR128



VIR128

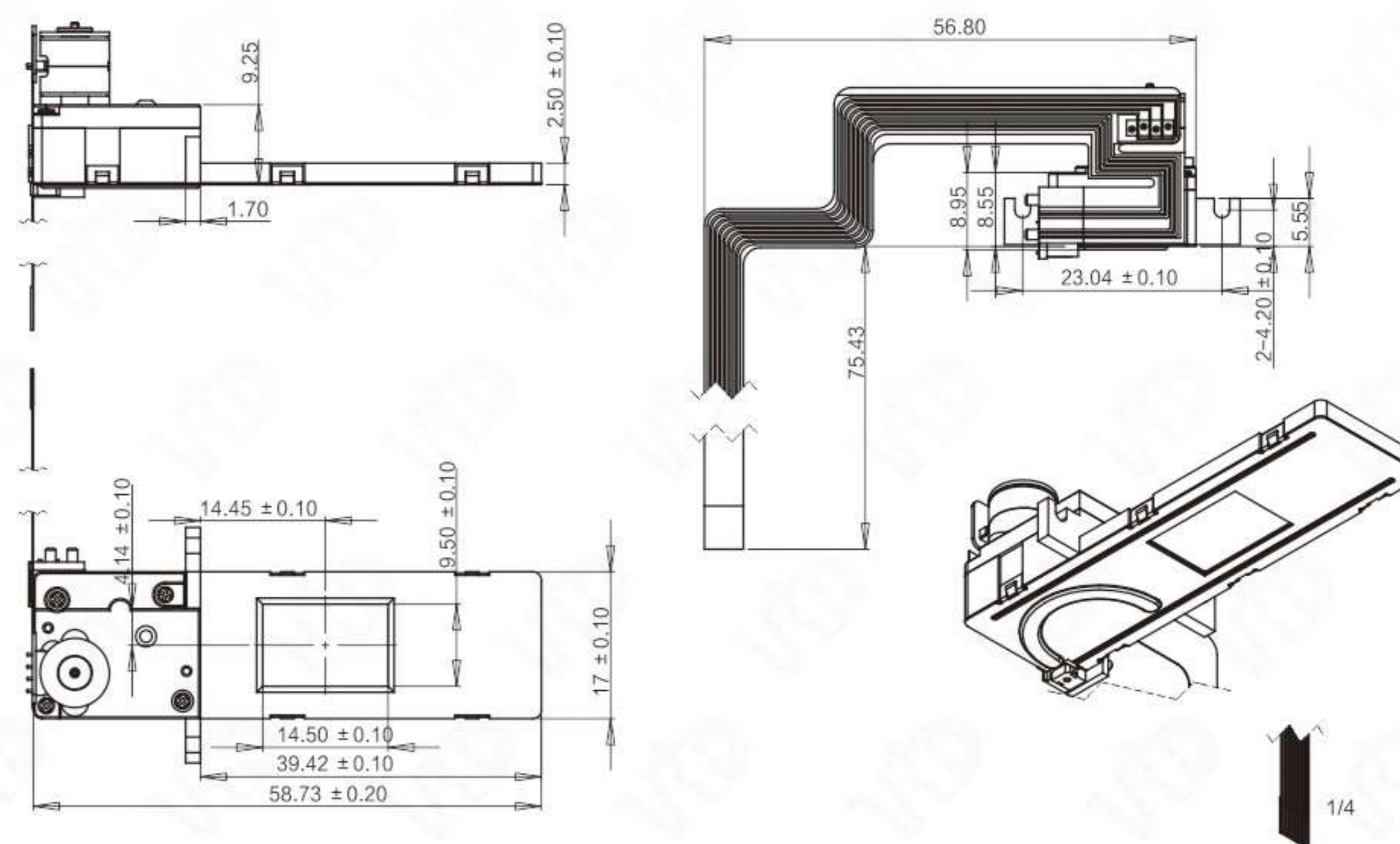


应用领域 Application

智能交通、人脸识别等大孔径监控镜头
Large-aperture surveillance lenses such as intelligent traffic and face recognition

型号 ITEM NUMBER	额定测试条件 RATED TEST CONDITIONS	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VIR128	3.3V800PPS	3V-4V	20Ω±10%	14.5*9.5mm	IR 1.1 偏振片 1.08	2

规格参考 Specification



IR-CUT

VIR98

SERIES

VIR98

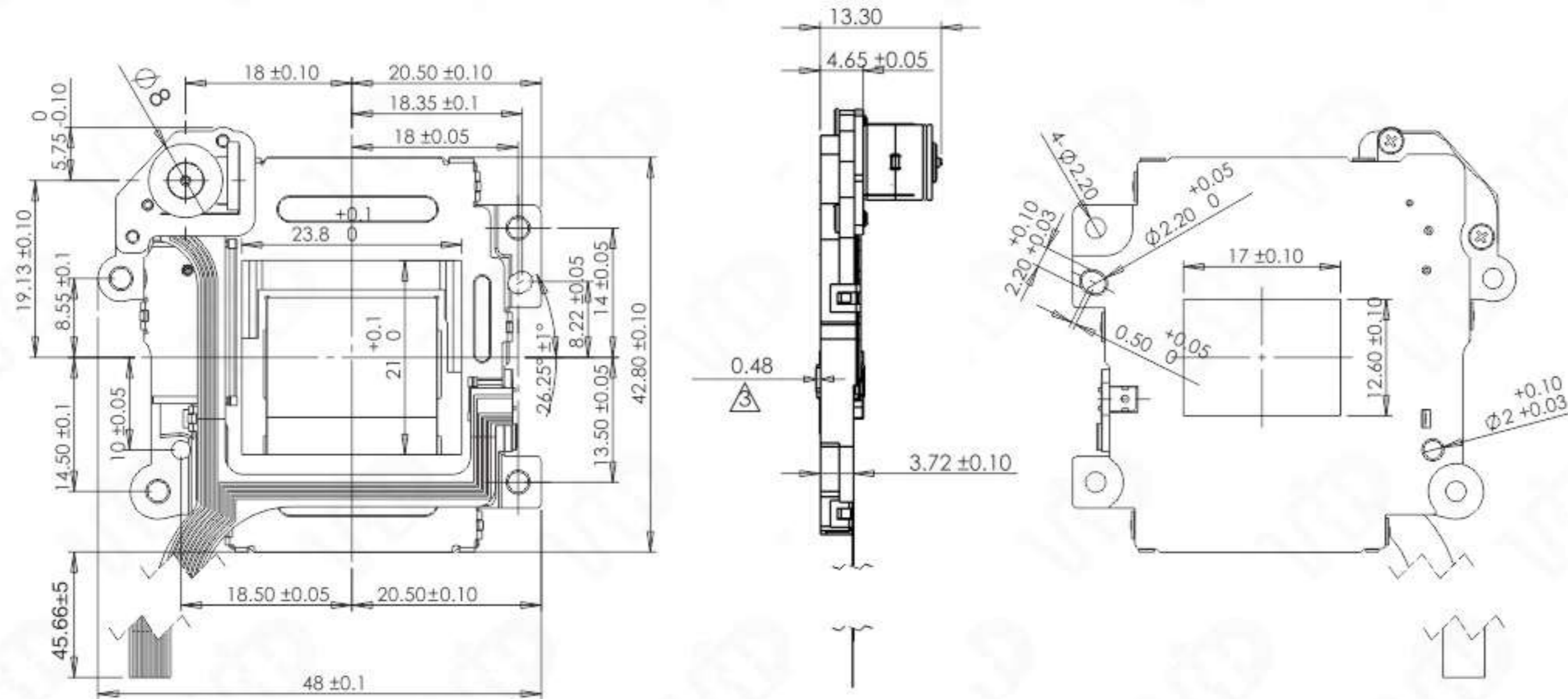


应用领域 Application

智能交通、人脸识别等大孔径监控镜头
 Large-aperture surveillance lenses such as intelligent traffic and face recognition

型号 ITEM NUMBER	额定测试条件 RATED TEST CONDITIONS	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VIR98	3.0V1000PPS	3V-5V	20Ω±7%	17*12.6mm	IR 0.455 AR 0.5	2

规格参考 Specification



IRIS

VIRIS26

SERIES

VIRIS单驱系列

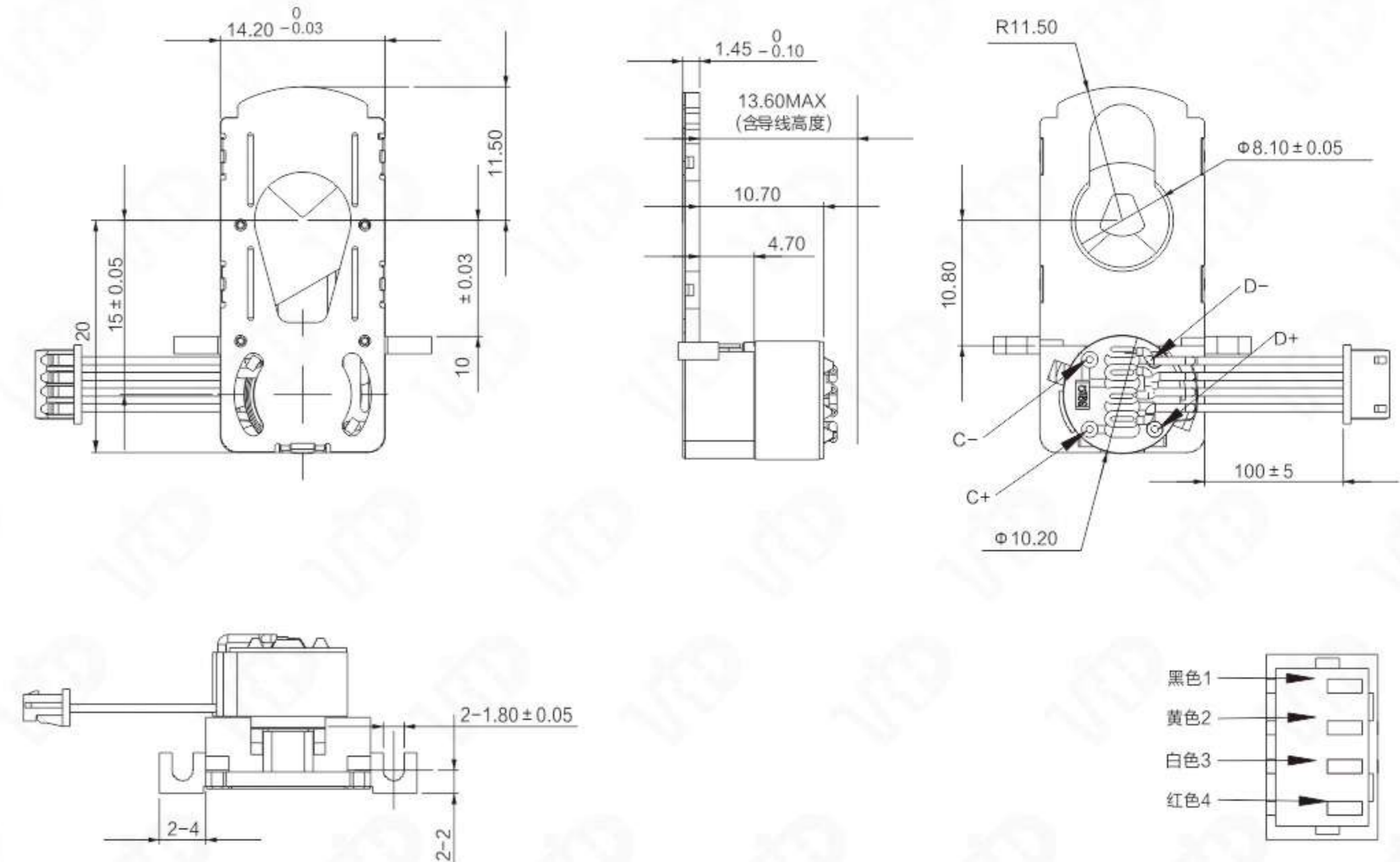


应用领域 Application

安防监控设备、监控器、精密仪器
 Security monitoring equipment, Monitor unit, Precise instrument

型号 ITEM NUMBER	IRIS电压 IRIS VOLTAGE	IRIS电阻 IRIS RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	减光镜 NEUTRAL DENSITY	使用电压范围 VOLTAGE RANGE	玻璃厚度 GLASS THICKNESS
VIRIS26	Start 3.3V Close 0.5V	Drive 190±10%Ω Deboost 855±10%Ω	Φ 10mm	1	5V Max.	/
VIRIS41	Start 3.3V Close 0.5V	Drive 190±10%Ω Deboost 855±10%Ω	Φ 7.8mm	1	5V Max.	/

规格参考 Specification



IRIS

VIRIS23

SERIES

VIRIS双驱系列

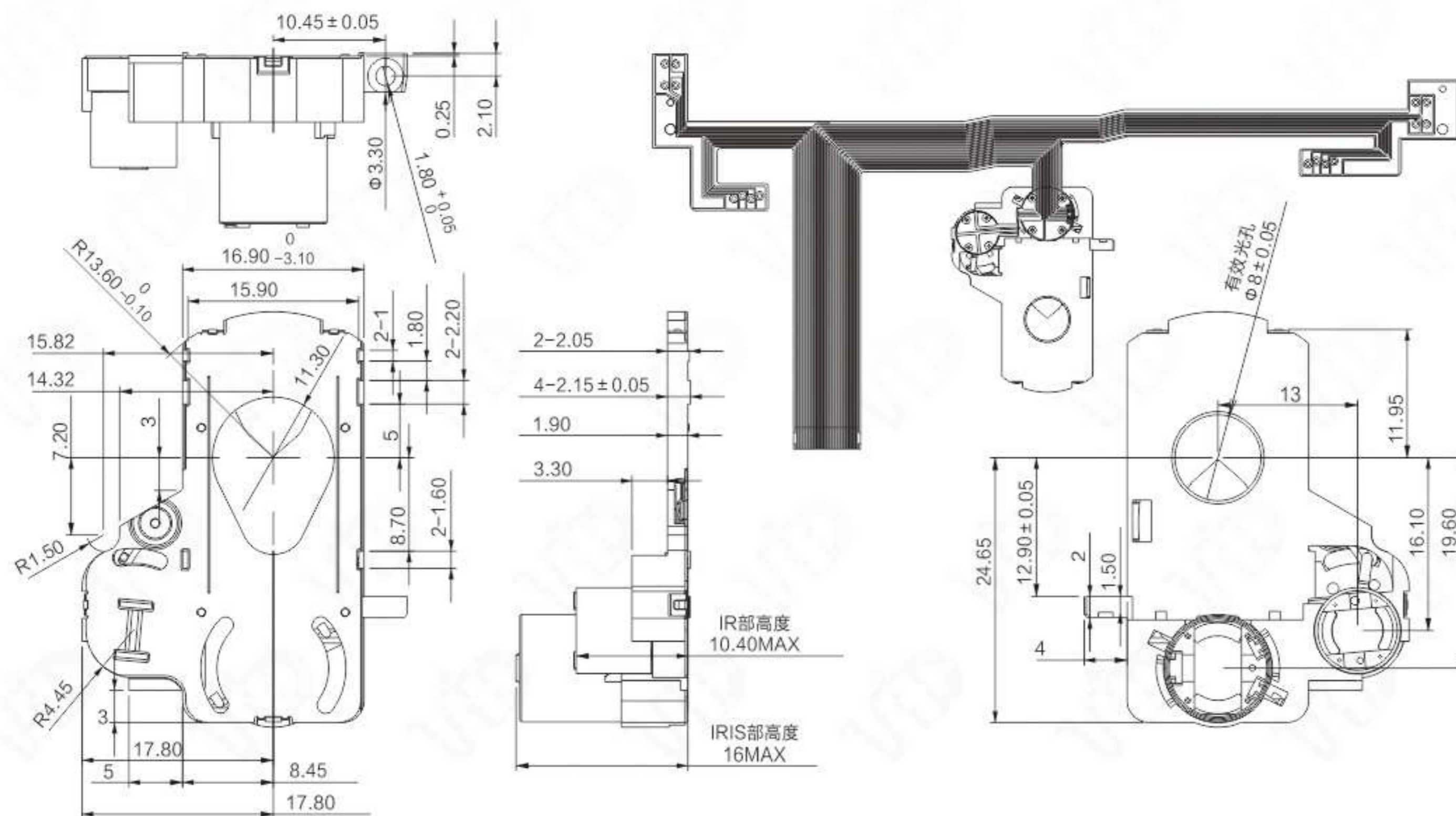


应用领域 Application

安防监控设备、监控器、精密仪器
Security monitoring equipment, Monitor unit, Precise instrument

型号 ITEM NUMBER	IRIS电压 IRIS VOLTAGE	IRIS电阻 IRIS RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	减光镜 NEUTRAL DENSITY	使用电压范围 VOLTAGE RANGE	玻璃厚度 GLASS THICKNESS
VIRIS23	Start 3.3V Close 0.5V Ripple 0.35V Max	Drive 190±10%Ω Deboost 465±10%Ω	φ8.0mm	1	5V Max.	0.145

规格参考 Specification



IRIS

VPIRIS13

SERIES

PIRIS系列

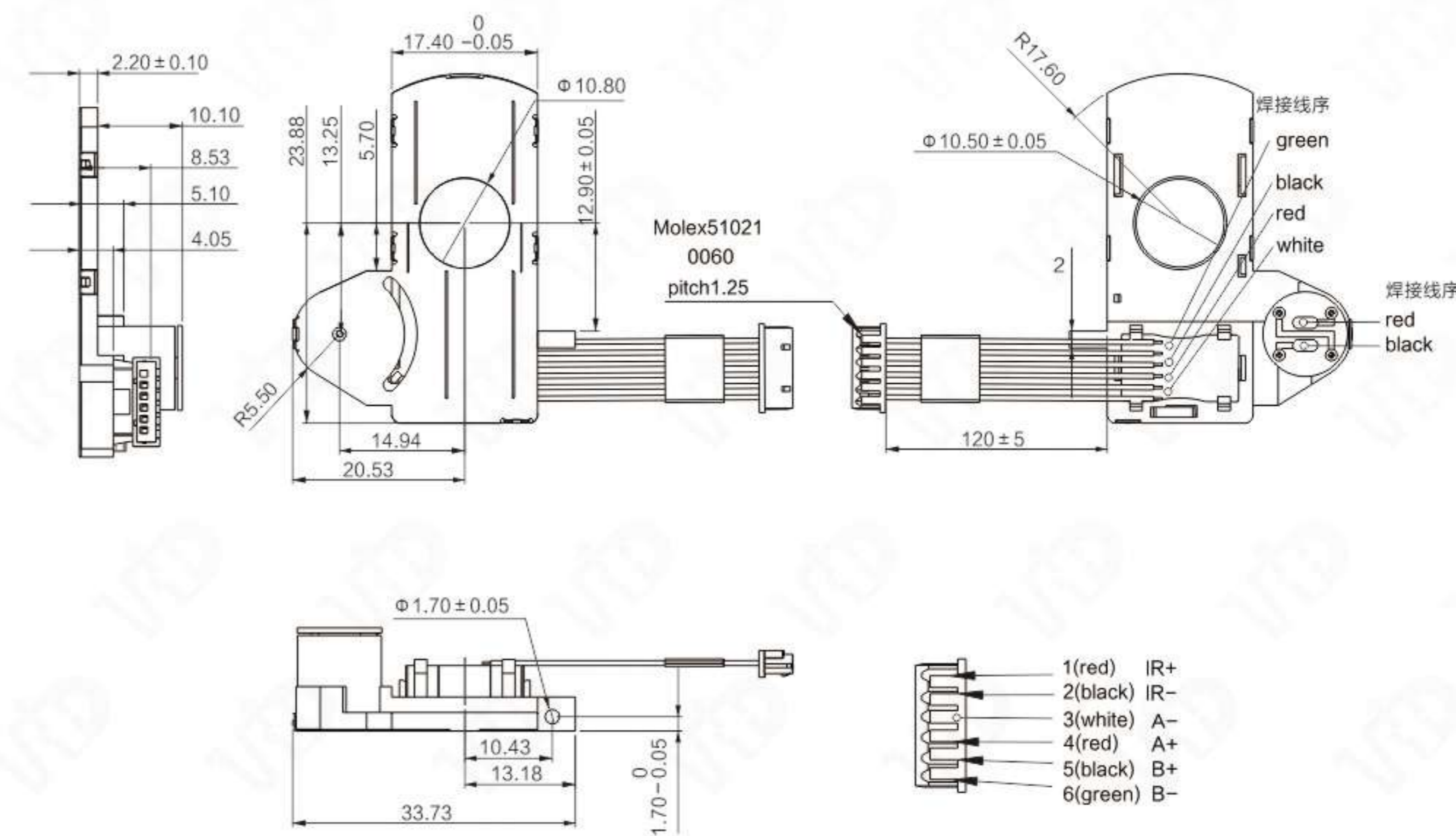


应用领域 Application

安防监控设备、监控器、精密仪器
Security monitoring equipment, Monitor unit, Precise instrument

型号 ITEM NUMBER	额定测试条件 RATED TEST CONDITIONS	IRIS电阻 IRIS RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	IR电压 IR VOLTAGE	使用电压范围 VOLTAGE RANGE	IR电阻 IR RESISTANCE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VPIRIS13	2.6-3.8V160PPS	28.5 ±10%Ω	φ10.5mm	2.8V	5V Max.	55 ±10%Ω	0.21	2

规格参考 Specification



- 1(red) IR+
- 2(black) IR-
- 3(white) A-
- 4(red) A+
- 5(black) B+
- 6(green) B-

IRIS

VPIRIS23

SERIES

PIRIS系列

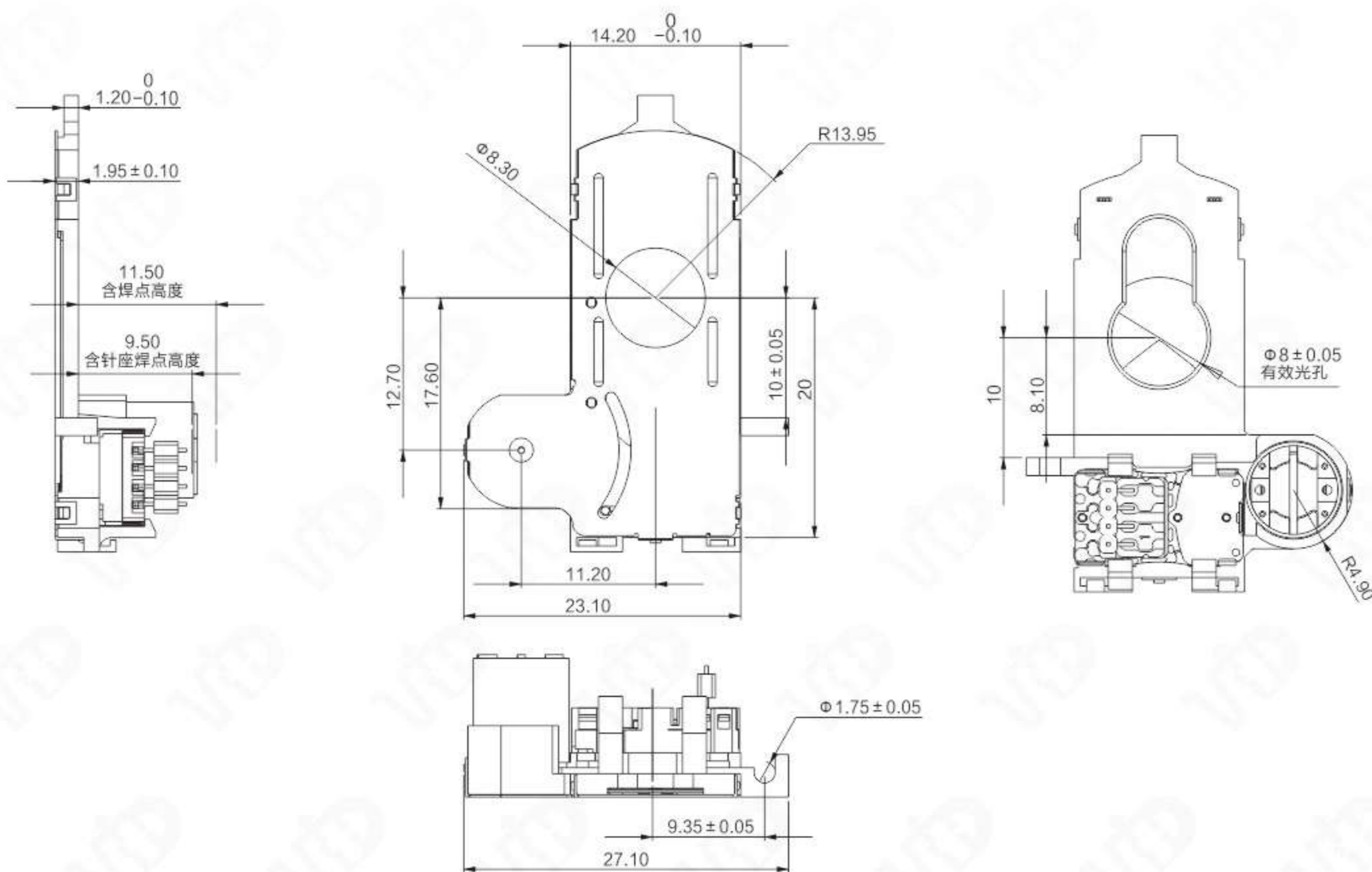


应用领域 Application

安防监控设备、监控器、精密仪器
Security monitoring equipment, Monitor unit, Precise instrument

型号 ITEM NUMBER	额定测试条件 RATED TEST CONDITIONS	IRIS电阻 IRIS RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	IR电压 IR VOLTAGE	使用电压范围 VOLTAGE RANGE	IR电阻 IR RESISTANCE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VPIRIS23	2.6-3.8V160PPS	28.5 ±10%Ω	Φ7.0mm	3.5V	6V Max.	100 ±10%Ω	0.21	2

规格参考 Specification



IRIS

VPIRIS43

SERIES

PIRIS系列

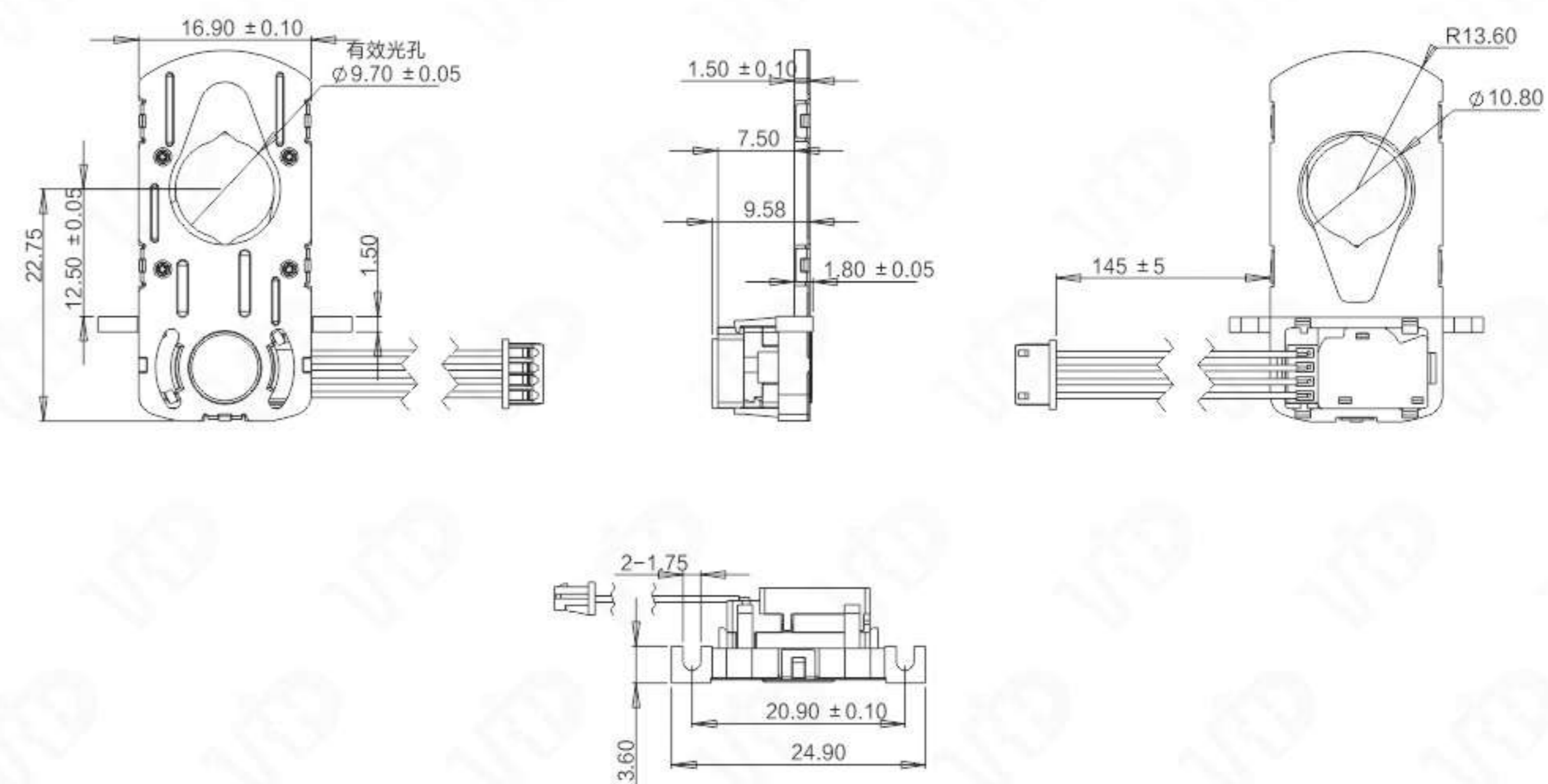


应用领域 Application

安防监控设备、监控器、精密仪器
Security monitoring equipment, Monitor unit, Precise instrument

型号 ITEM NUMBER	额定测试条件 RATED TEST CONDITIONS	IRIS电阻 IRIS RESISTANCE	最大有效光孔 MAX.EFFECTIVE APERTURE	IR电压 IR VOLTAGE	使用电压范围 VOLTAGE RANGE	IR电阻 IR RESISTANCE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY.OF GLASS
VPIRIS43	2.6-3.8V160PPS	28.5±10%Ω	Ø9.7mm	/	5V MAX.	/	/	/

规格参考 Specification



MODULE 模组系列

VSM10

SERIES

VSM10115



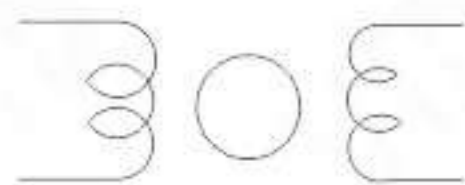
应用领域 Application

数码相机、安防监控设备、网络摄像头、精密仪器
Digital camera, Security monitoring equipment, Network camera, Precise Instrument

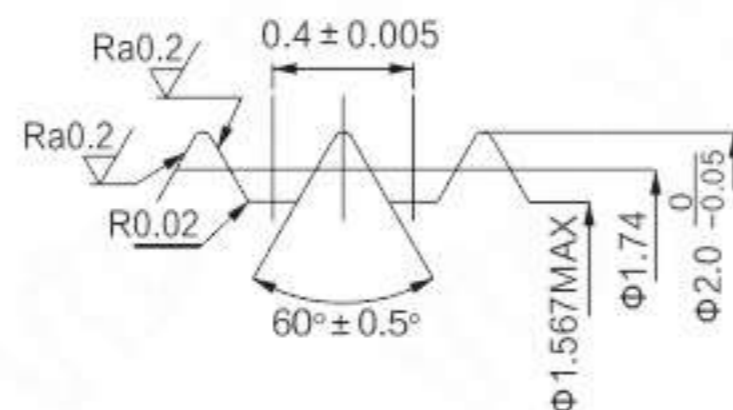
型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动周波数 MAX. SELF-START FREQUENCY	最大连续响应周波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM10115	5.0V	55±10%Ω	2-2	18°	1100 pps(min.)	1800pps(min.)	2.8gf-cm	3.8gf-cm

规格参考 Specification

CONNECTION DIAGRAM



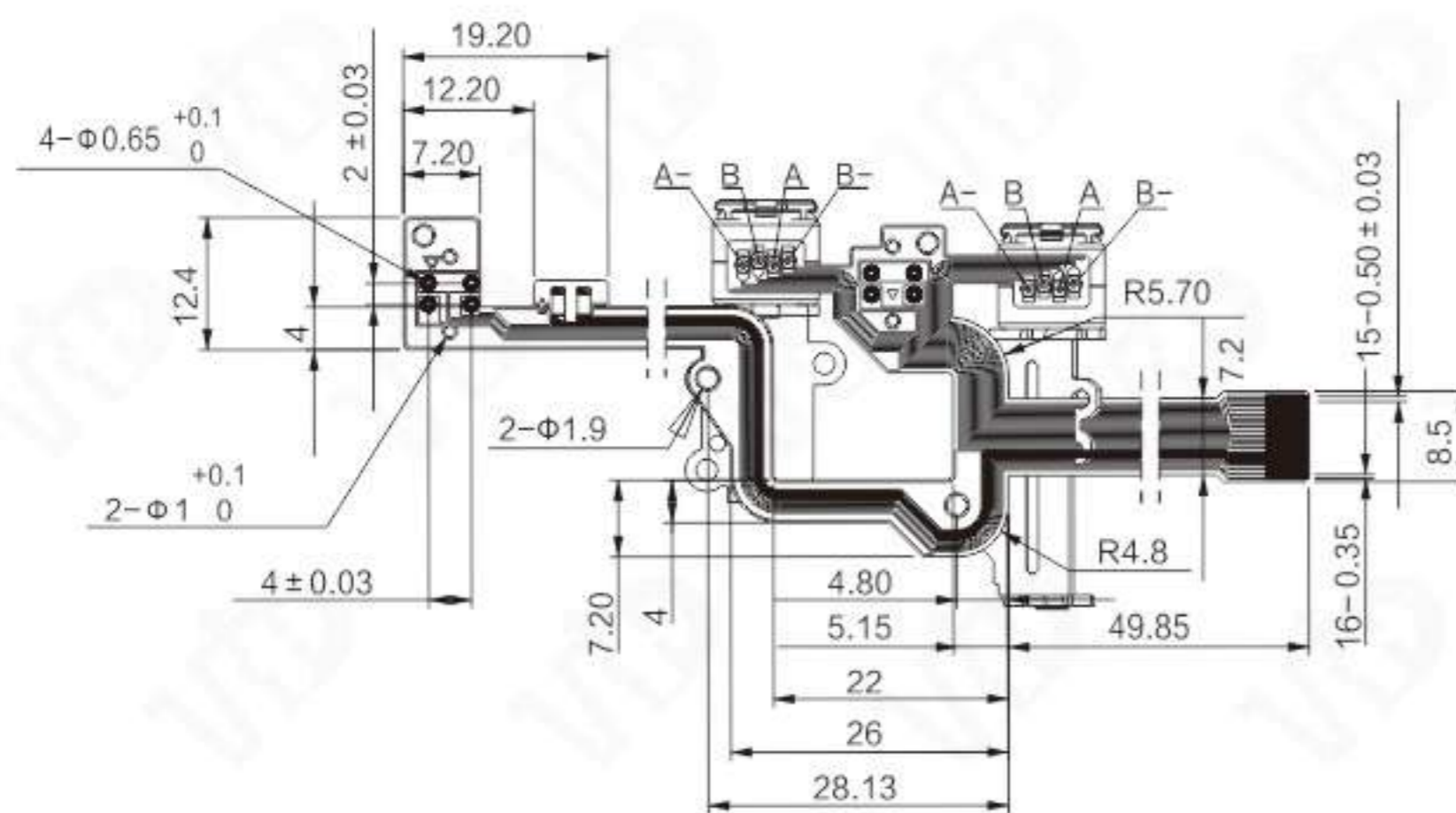
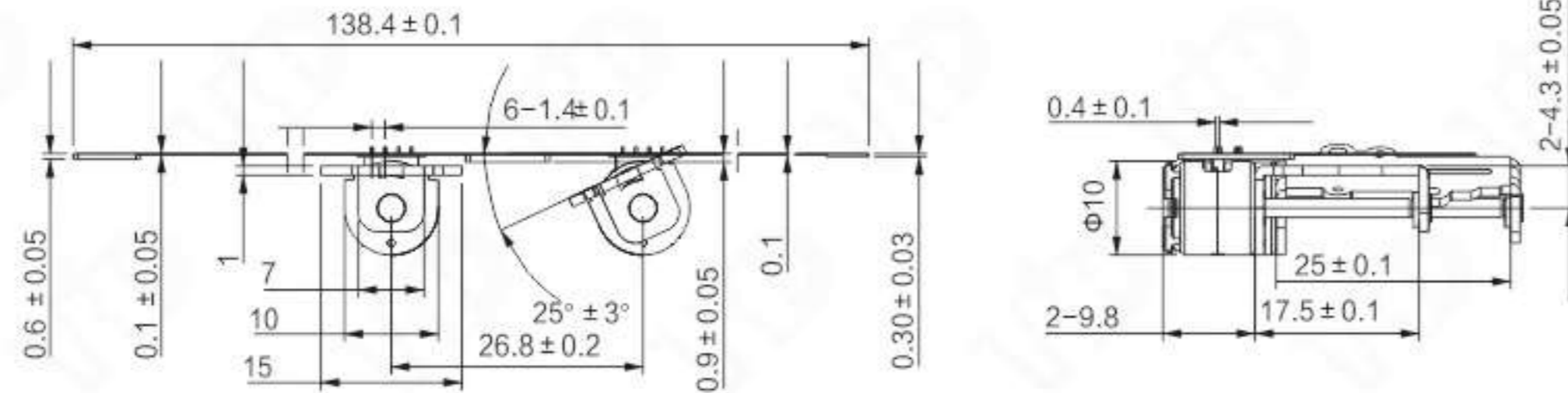
PITCH	0.4
方向	右旋单螺纹
单一PITCH误差	0.005以下
累积PITCH误差	0.008以下



SEQUENCE OF EXCITATION

STEP PHASE	1	2	3	4
A	+	+	-	-
Ā	-	-	+	+
B	-	+	+	-
B̄	+	-	-	+

OUTPUT SHAFT ROTATION CW



MODULE 模组系列

VIR29

SERIES

VIR29

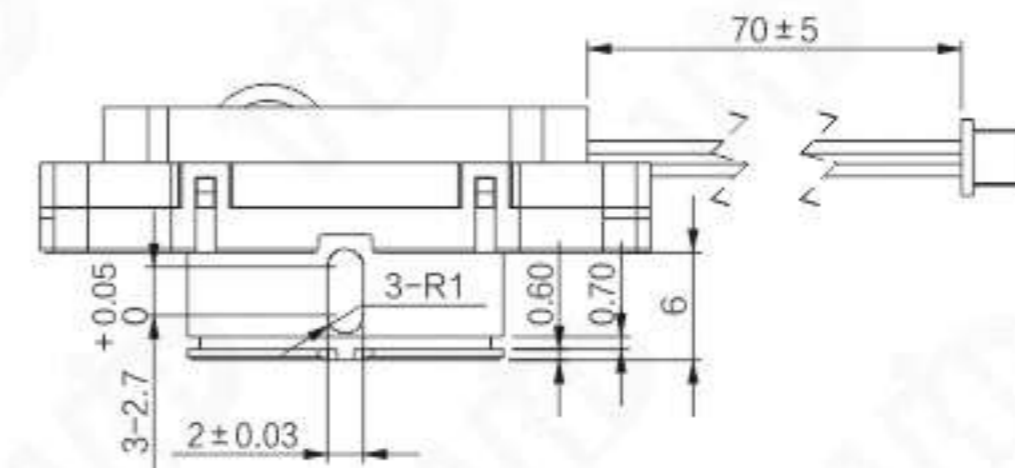
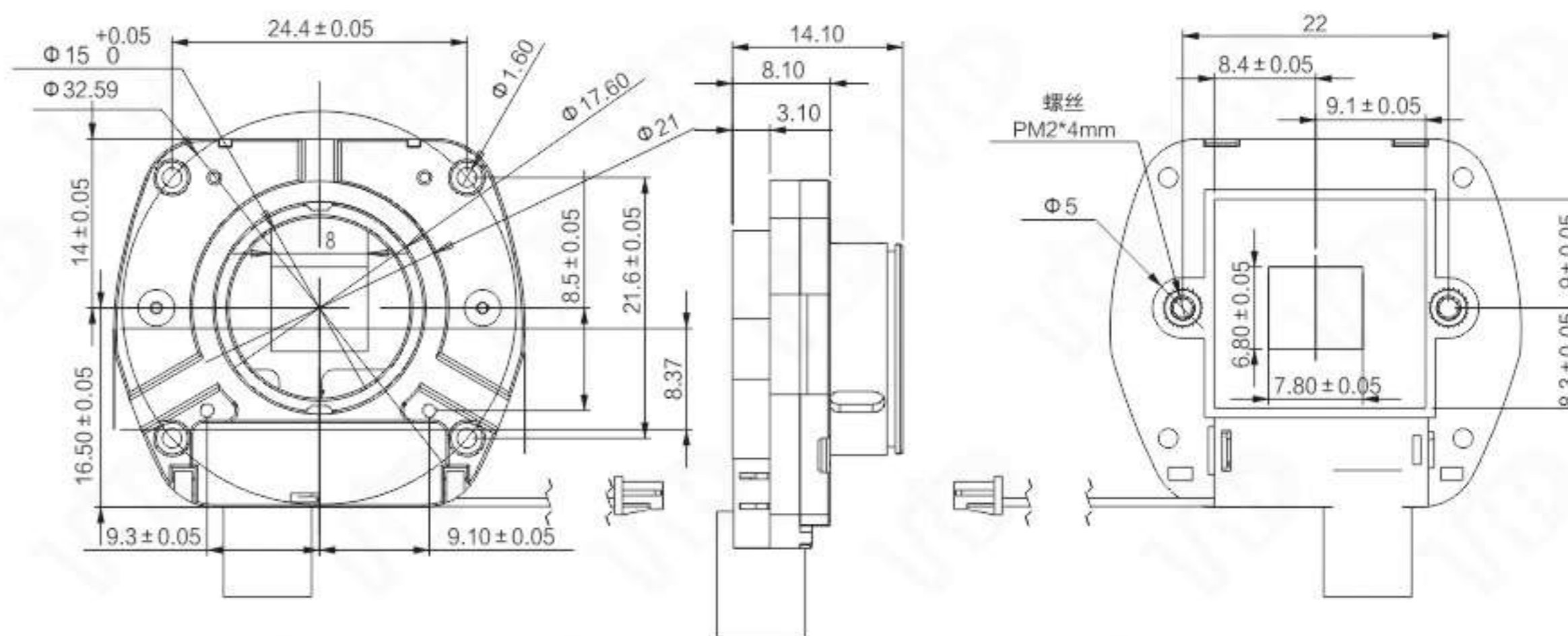


应用领域 Application

监控镜头IR日夜切换、精密仪器
CCTV Lens Infrared-cut day and night switcher, Precise instrument

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS	螺纹 THREAD
VIR29	3V	6V Max.	75 ±10%Ω	7.8*6.8 mm	0.21mm	2	/
VIR42	3V	6V Max.	20 ±3%Ω	8.0*8.0mm	0.21mm	2	/

规格参考 Specification



MODULE 模组系列

VIR203

SERIES

调焦模组

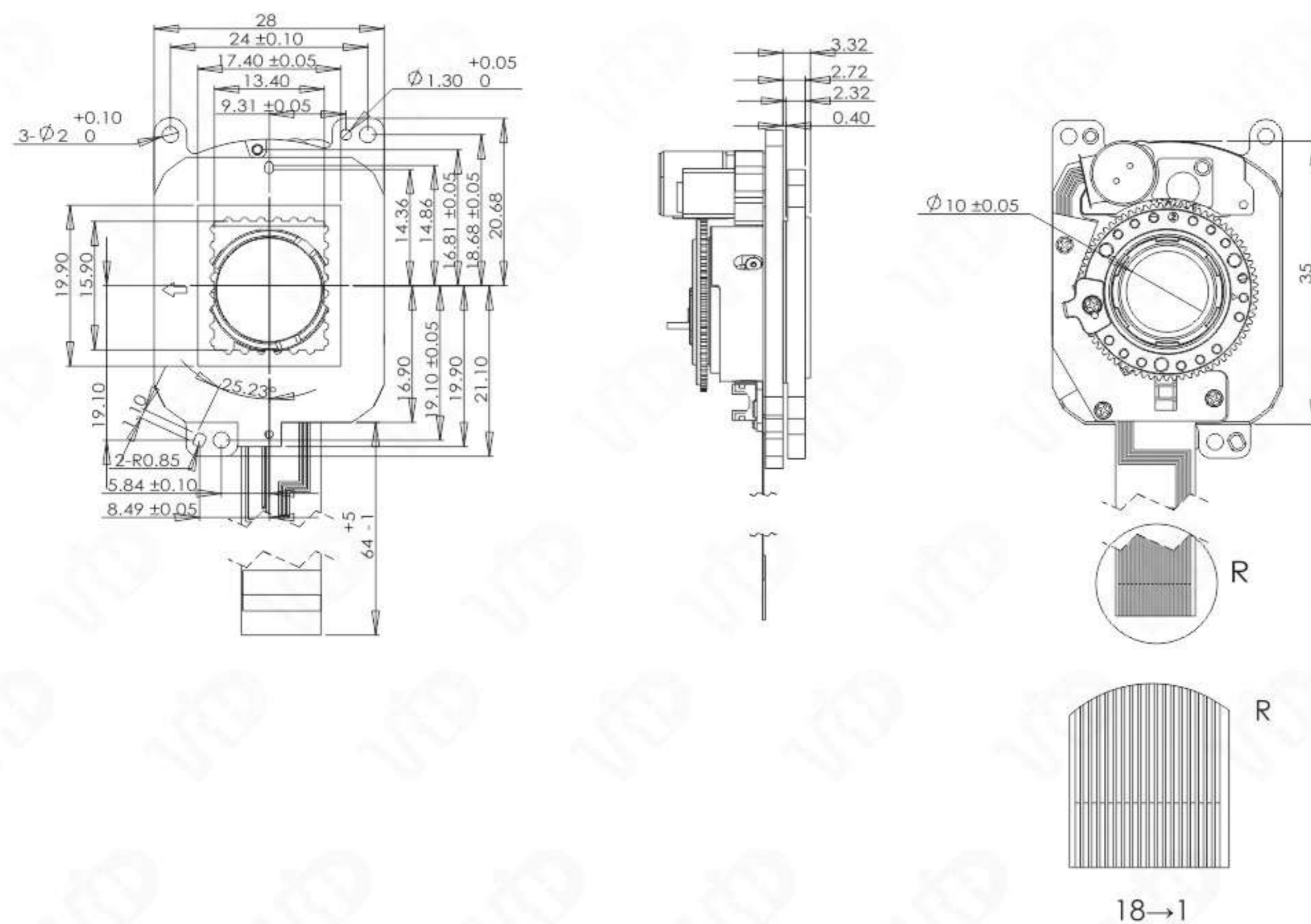


应用领域 Application

安防监控设备、监控器、数码相机
Security monitoring equipment, Monitor unit, Digital Camera

型号 ITEM NUMBER	额定测试条件 RATED TEST CONDITIONS	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VIR203	3.0V800PPS	3.3V~4.5V	20±3Ω	M12	/	/

规格参考 Specification



MODULE 模组系列

VIR156

SERIES

调焦模组

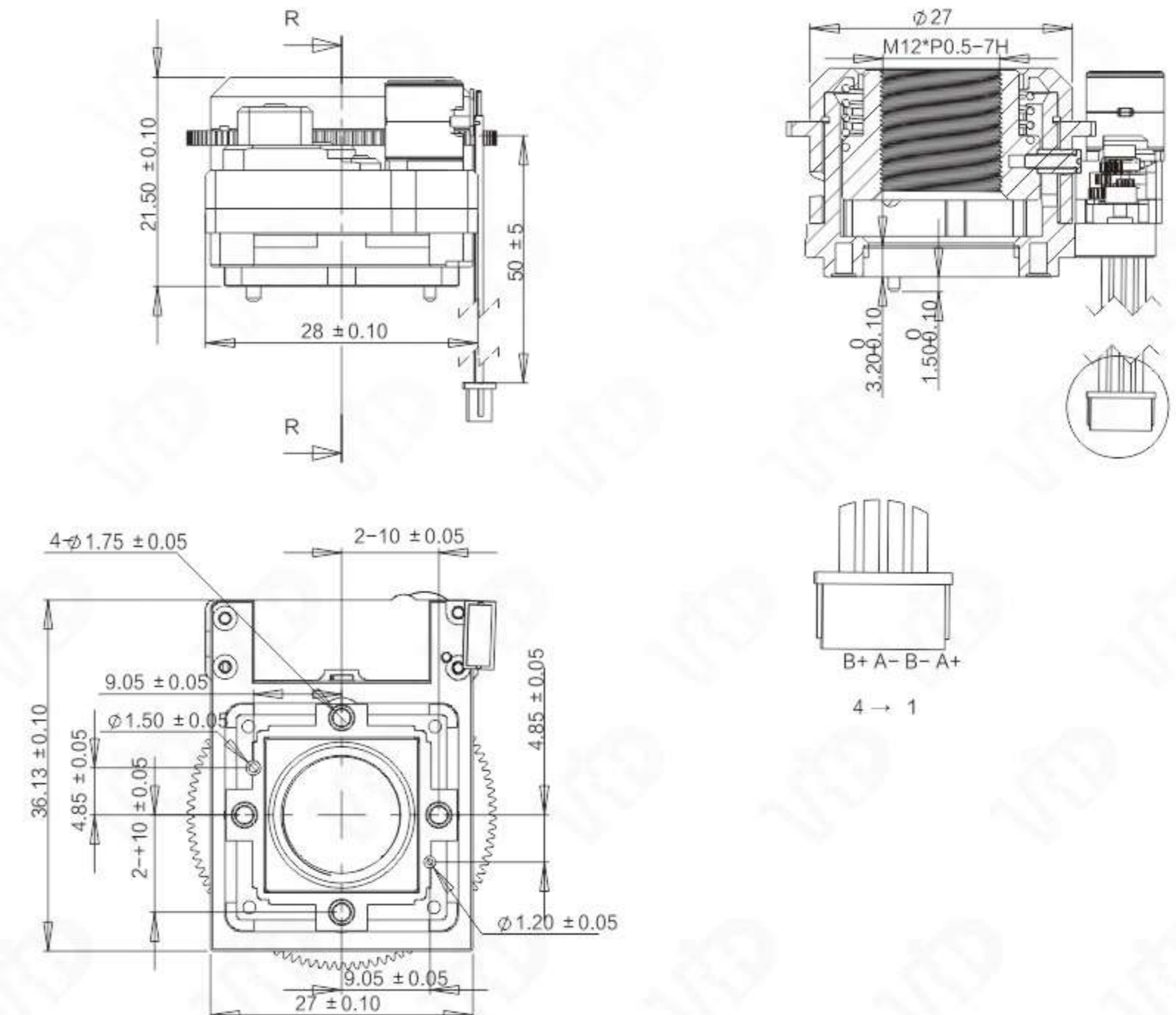


应用领域 Application

安防监控设备、监控器、数码相机
Security monitoring equipment, Monitor unit, Digital Camera

型号 ITEM NUMBER	额定测试条件 RATED TEST CONDITIONS	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY. OF GLASS
VIR156	2.8V800PPS	3V~4.5V	20±3Ω	M12	/	/

规格参考 Specification



MODULE 模组系列

VIRIS95

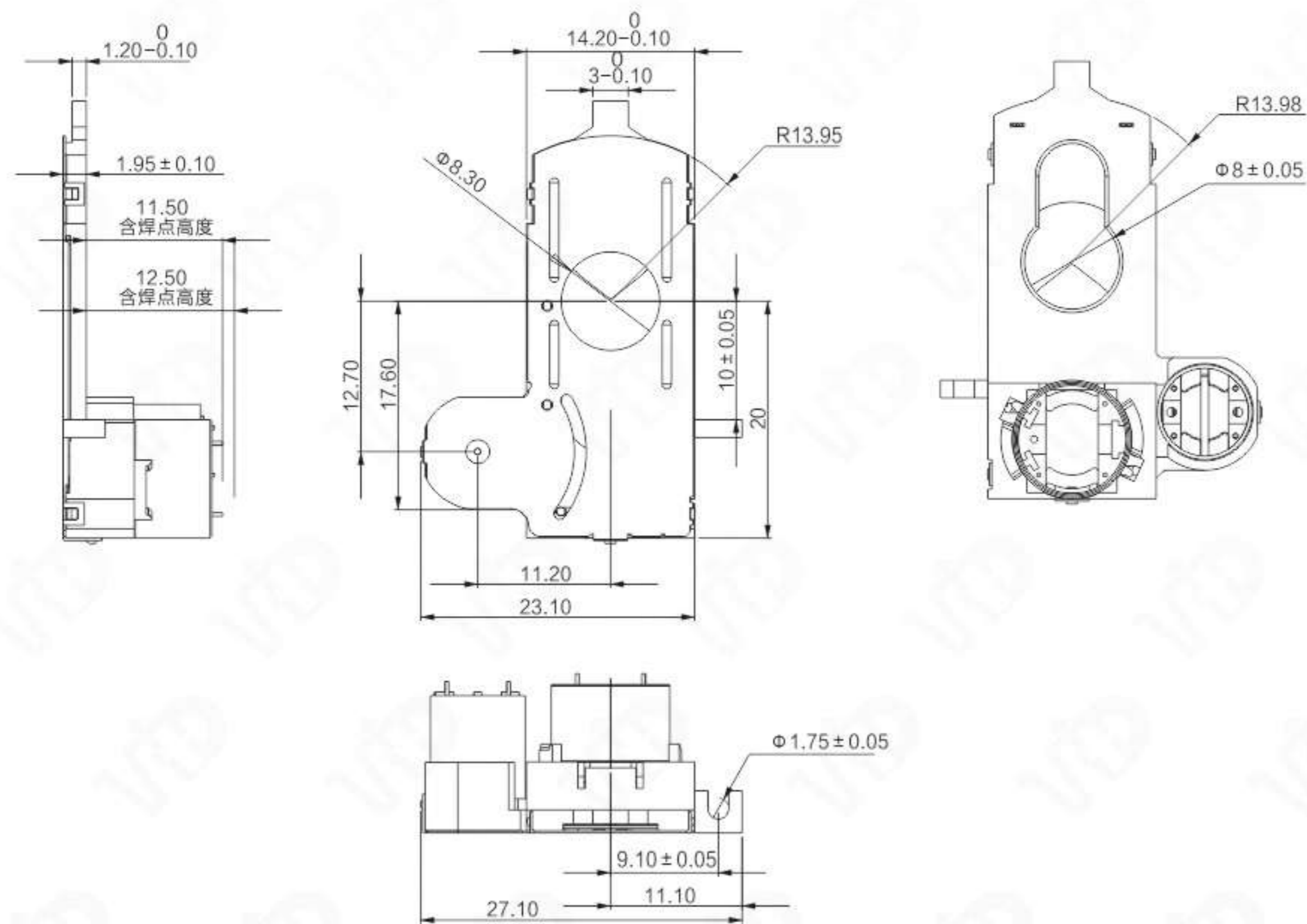
SERIES

VIRIS95


应用领域 Application

数码相机、安防监控设备、网络摄像头、精密仪器
 Digital camera, Security monitoring equipment, Network camera, Precise Instrument

型号 ITEM NUMBER	IRIS电压 IRIS VOLTAGE	输出电压 OUTPUT VOLTAGE	IRIS电阻 IRIS RESISTANCE	最大有效光孔 MAX. EFFECTIVE APERTURE	H(hall)电压	S	IR电压 IR VOLTAGE	使用电压范围 VOLTAGE RANGE	IR电阻 IR RESISTANCE
VIRIS95	Start 3.3V Close 0.5V Ripple 0.3V Max	5V Max.	Drive 465±10%Ω Deboost 190±10%Ω	Φ8.0mm	26.5mVsHs±103mV	-30%≤S≤30%	3.5V	6V Max.	100 ±10%Ω
VIRIS89	Start 3.3V Close 0.5V Ripple 0.6V Max	6V Max.	Drive 140±10%Ω Deboost 140±10%Ω	Φ19.2mm	55mVsHs±135mV	-35%≤S≤35%	3.2V	6V Max.	20 ±3%Ω

规格参考 Specification


MODULE 模组系列

VSM15117

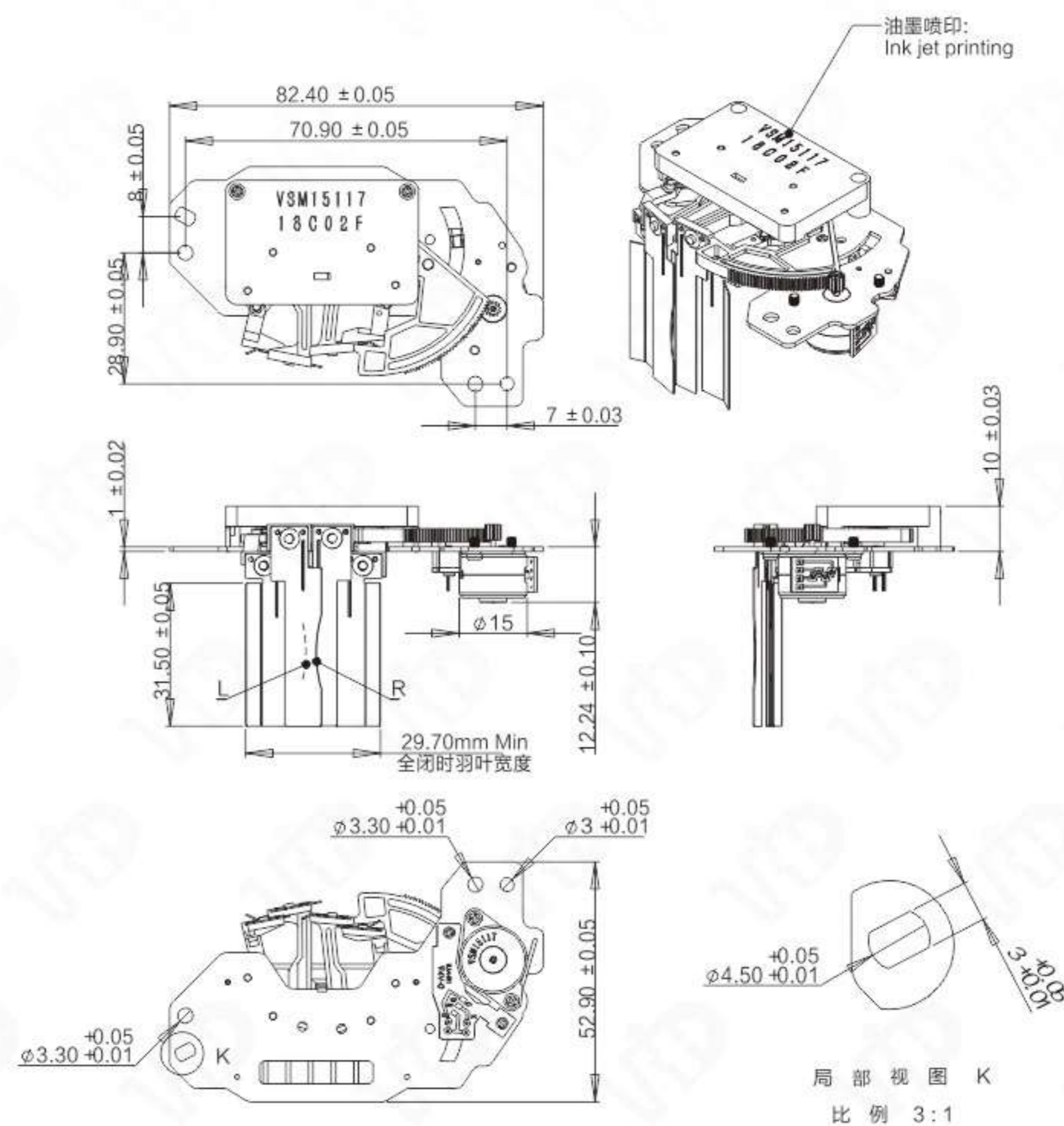
SERIES

VSM15117


应用领域 Application

投影仪
 Projector

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动波数 MAX.SELF-START FREQUENCY	最大连续相应波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM15117	5.0V	12Ω	2-2	18°	500PPS	1000PPS	6gf-cm	8gf-cm

规格参考 Specification


VSM10278 SERIES



VSM10278

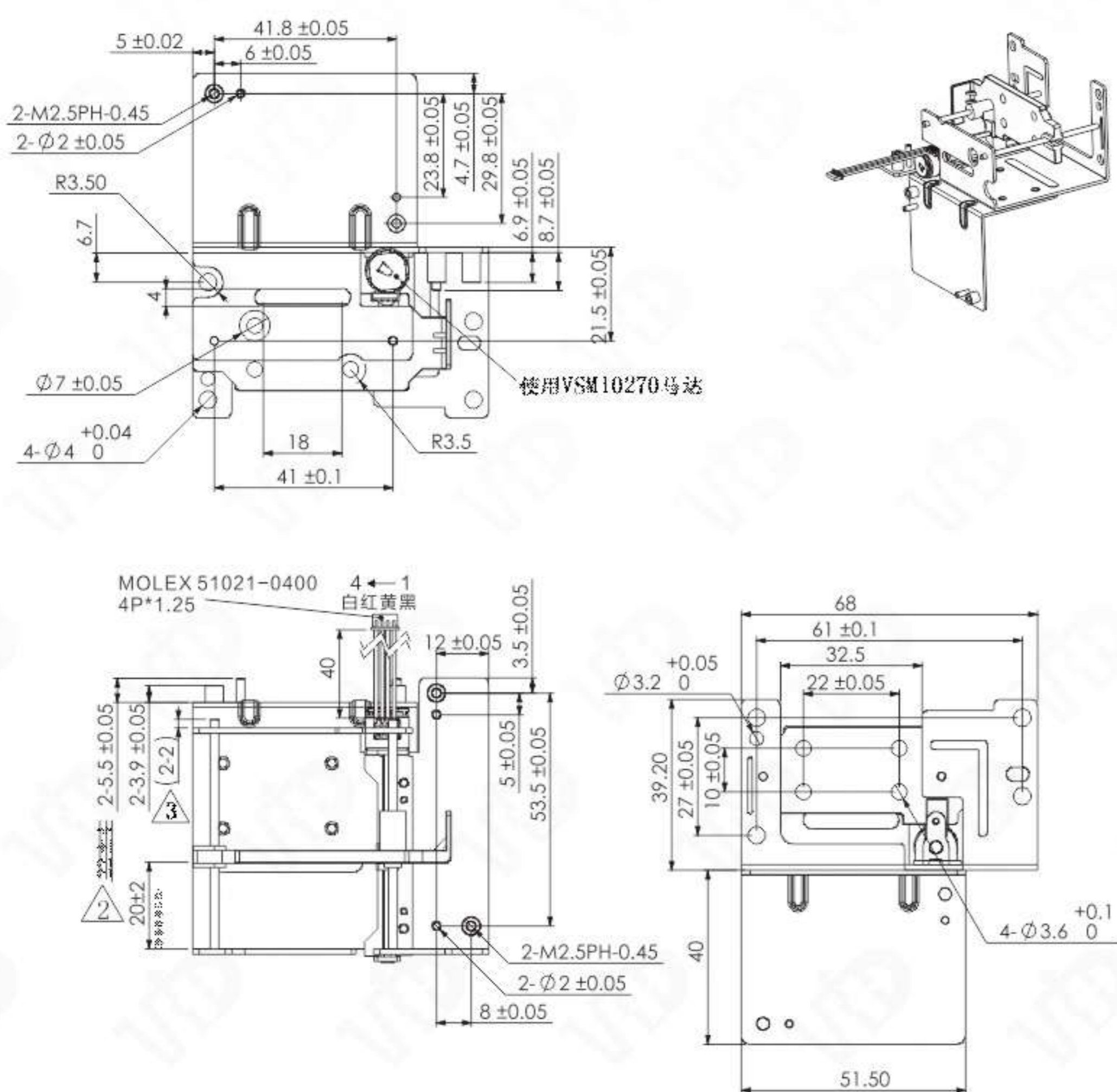


应用领域 Application

投影仪
Projector

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	电阻 RESISTANCE	驱动方式 DRIVE MODE	步距角 STEP ANGLE	最大自启动波数 MAX.SELF-START FREQUENCY	最大连续相应波数 MAX CONTINUOUS RESPONSE FREQUENCY	引入力矩 INTRODUCING TORQUE	脱出力矩 TRIPPING TORQUE
VSM10278	3.3V	10Ω	2-2	18°	1000pps	1200PPS	3.0gf-cm	4.0gf-cm

规格参考 Specification



VIR213 SERIES



VIR213

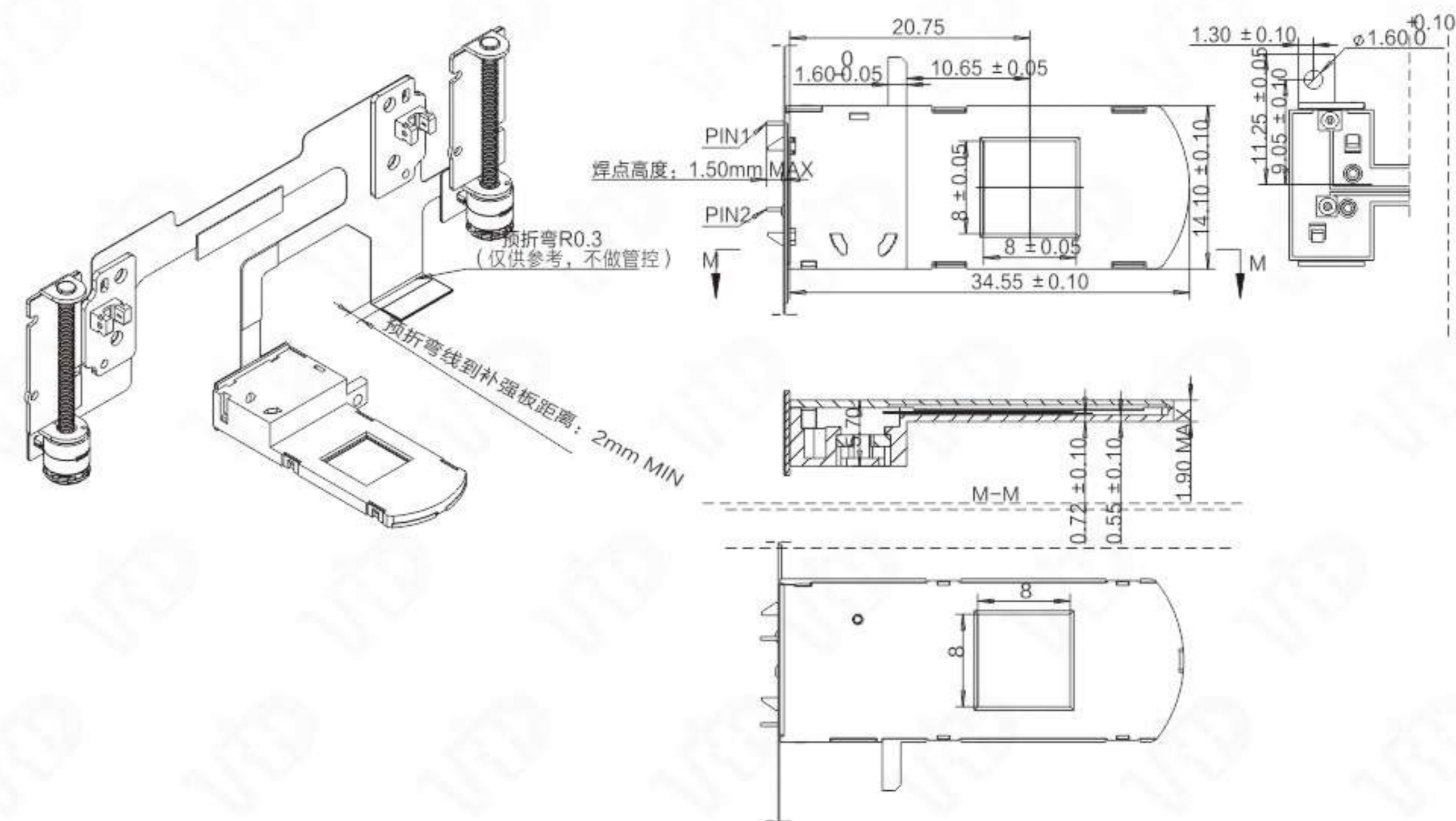


应用领域 Application

数码相机、安防监控设备、网络摄像头、精密仪器
Digital camera, Security monitoring equipment, Network camera, Precise Instrument

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	使用电压范围 VOLTAGE RANGE	绕线电阻 RESISTANCE	最大有效光孔 MAX.EFFECTIVE APERTURE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY.OF GLASS	螺纹 THREAD
VIR213	3.2V	3.2V-5.5V	20±3Ω	8*8mm	IR 0.3 AR 0.21	2	/

规格参考 Specification



MODULE 模组系列

VPIRIS38

SERIES

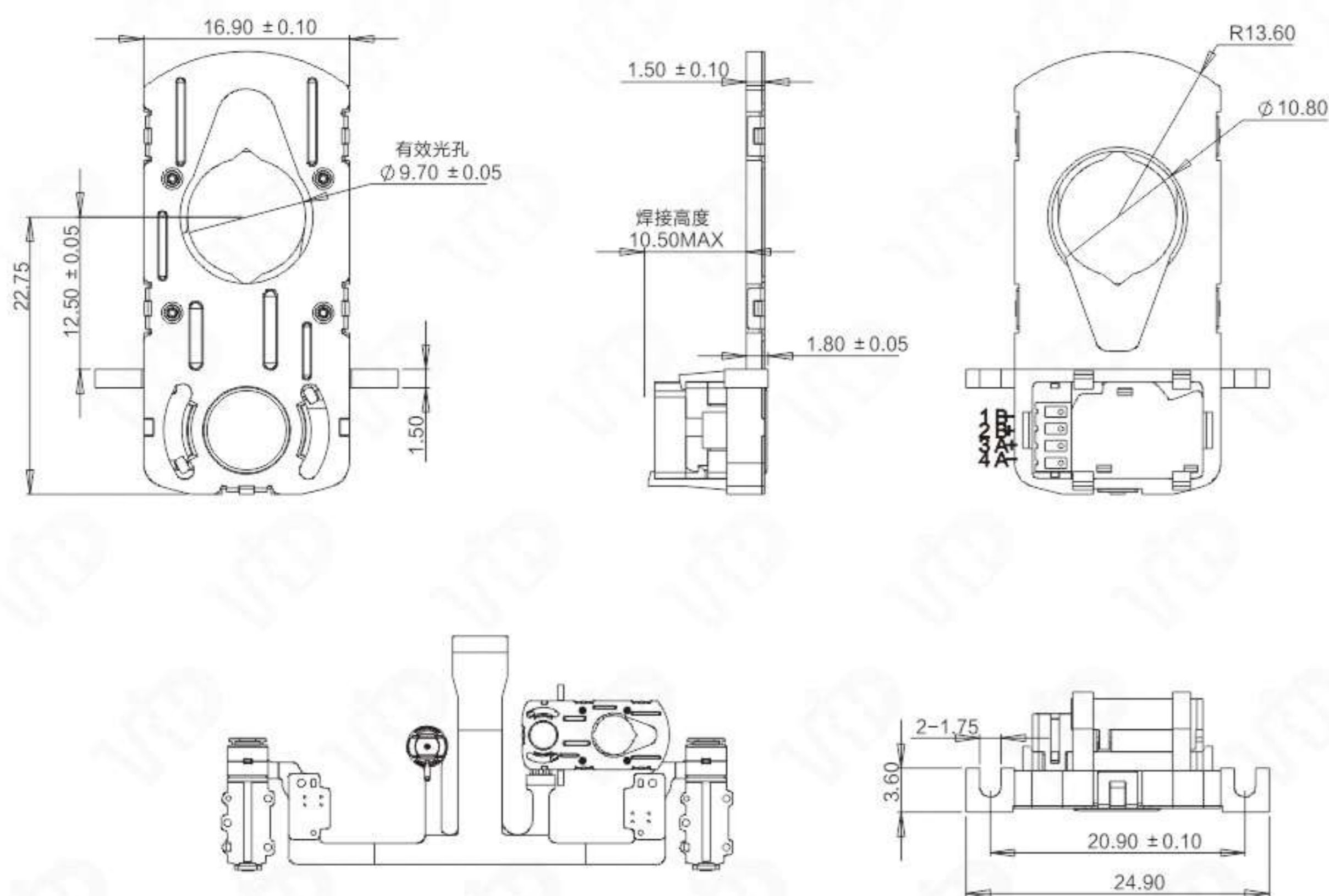


VPIRIS38


应用领域 Application

数码相机、安防监控设备、网络摄像头、精密仪器
 Digital camera, Security monitoring equipment, Network camera, Precise Instrument

型号 ITEM NUMBER	额定测试条件 RATED TEST CONDITIONS	使用电压范围 OPERATING VOLTAGE RANGE	IRIS电阻 IRIS RESISTANCE	最大有效光孔 MAX.EFFECTIVE APERTURE	IR电压 IR VOLTAGE	使用电压范围 VOLTAGE RANGE	IR电阻 IR RESISTANCE	玻璃厚度 GLASS THICKNESS	玻璃数量 QTY.OF GLASS
VPIRIS38	2.6V160PPS	2.6V~3.8	28.5±10%Ω	Ø10.8mm	4V	5V MAX.	40±10%Ω	/	/

规格参考 Specification


MODULE 模组系列

VIRIS145

SERIES

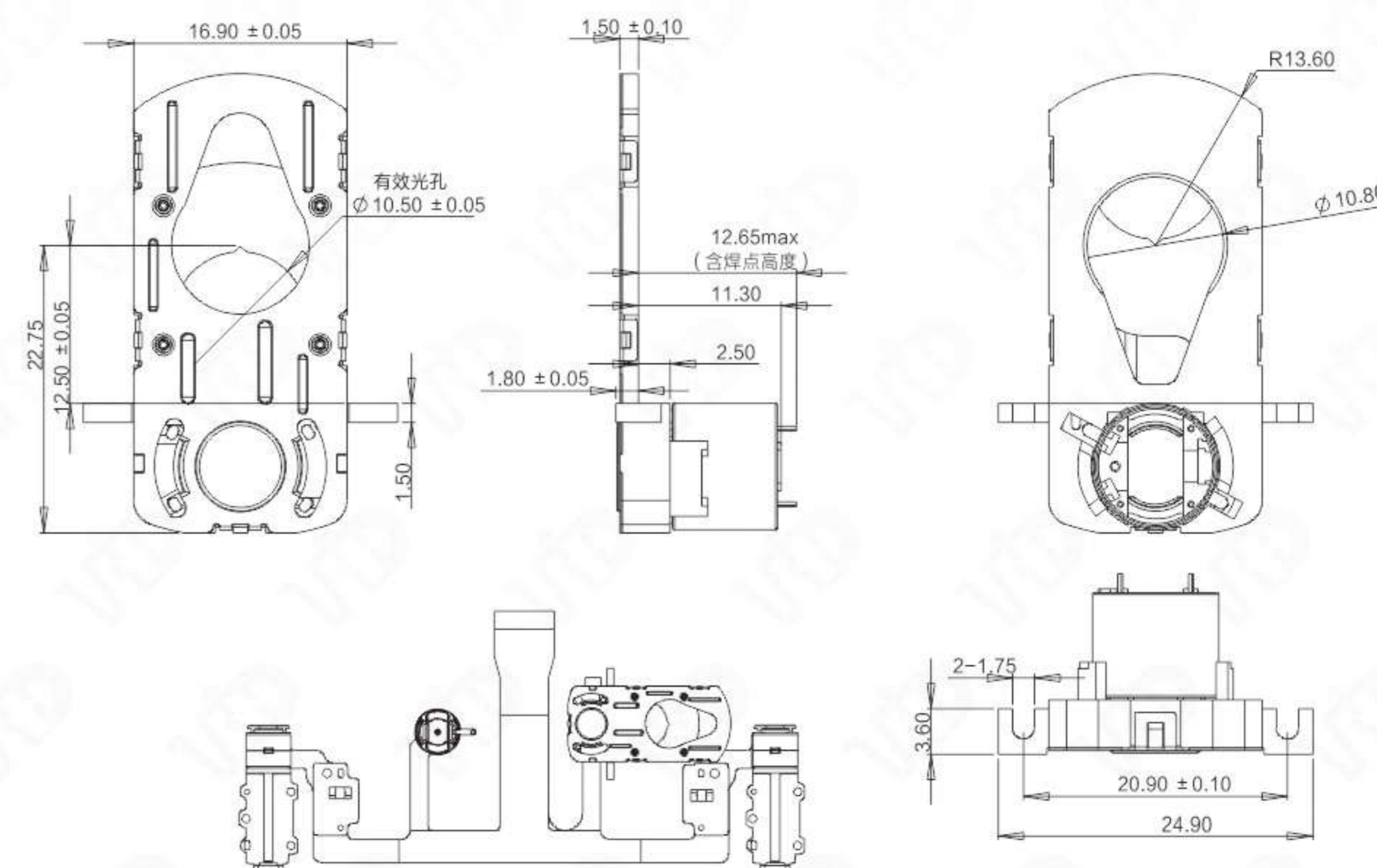


VIRIS145


应用领域 Application

安防监控设备、监控器、精密仪器
 Security monitoring equipment, Monitor unit, Precise instrument

型号 ITEM NUMBER	IRIS电压 IRIS VOLTAGE	输出电压 OUTPUT VOLTAGE	IRIS电阻 IRIS RESISTANCE	最大有效光孔 MAX.EFFECTIVE APERTURE	H(hall)电压	S	IR电压 IR VOLTAGE	使用电压范围 VOLTAGE RANGE	IR电阻 IR RESISTANCE
VIRIS145	Start 3.3V Close 0.5V	6V Max.	Drive 190±10%Ω Deboost 500±10% Ω	Ø10.5mm	55mV ≤ H ≤ 135mV	-35% ≤ S ≤ 35%	3.5V	3.5V-4V	40±7% Ω

规格参考 Specification


VMM30

VMM30

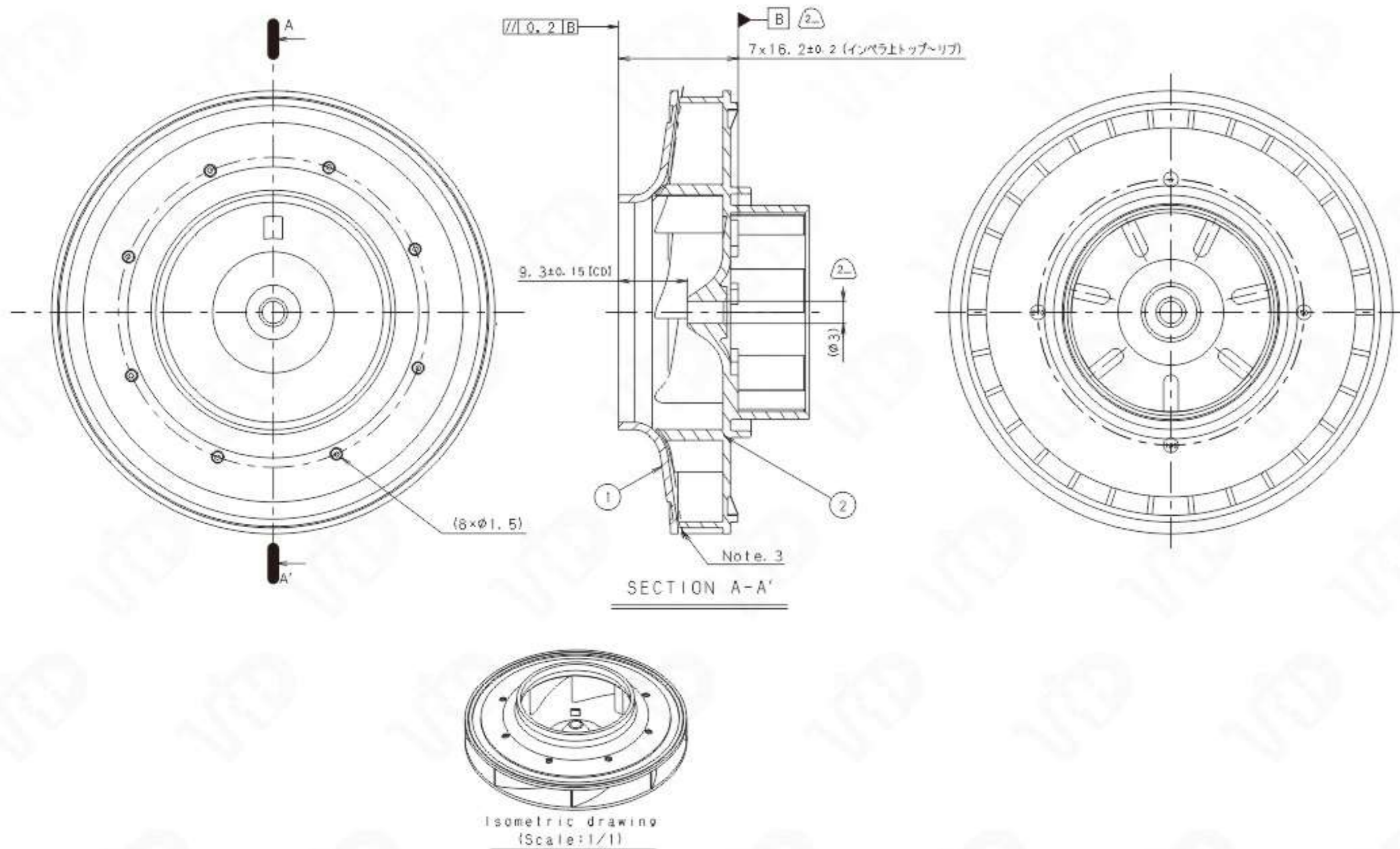


应用领域 Application

 吸尘器
Vacuum cleaner

型号 ITEM NUMBER	极对数 POLES	相数 PHASE	额定电压 RATED VOLTAGE	额定转速 RATED SPEED	最大风量 MAXIMUM WIND VOLUME	最大静压 MAXIMUM STATIC PRESSURE	噪音 NOISE
VMM30	12极	3相	14.4V	22500rpm	1M3/MIN	4.2K PA(MAX)	90 Db(MAX)

规格参考 Specification



VDF63

VDF6301 晾衣架电机 Clothes-hanger Motor

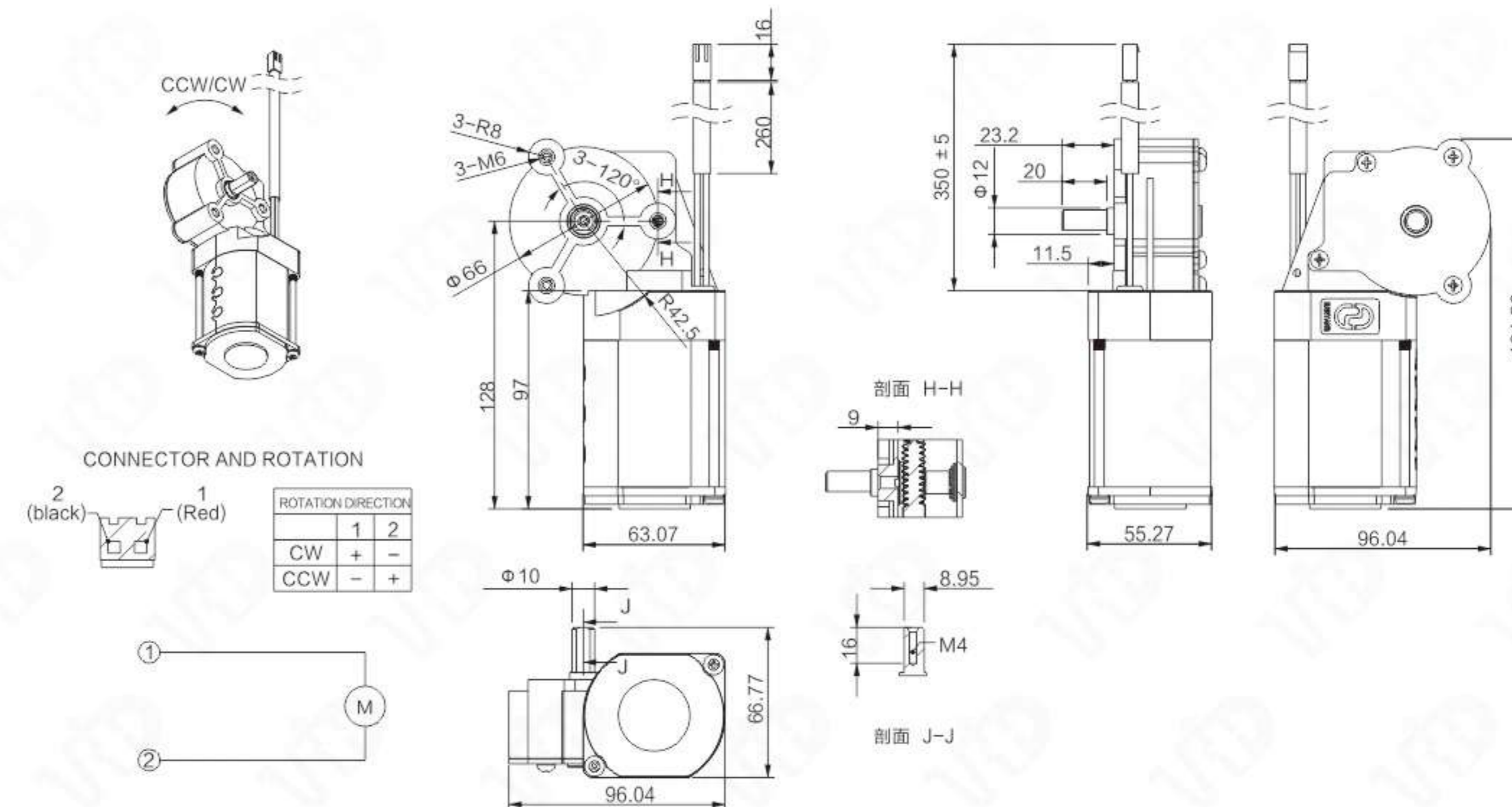


应用领域 Application

 医疗器械、精密仪器设备、智能家居设备
Armarium, Precision Equipment, Home Automation

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	空载转速 NO-LOAD SPEED	空载电流 NO-LOAD CURRENT	负载转速 LOAD SPEED	负载电流 LOAD CURRENT	功率 POWER	堵转力矩 STALLING TORQUE (N·M)	堵转电流 STALLING CURRENT
VDF6301	24V	33 ± 10%	0.8 A max	29 ± 10%	2.0 A max	48W	18 min	12 A max

规格参考 Specification



Vehicle-based DC Motor 车载电机

VDR38 SERIES



VDR3801 水平电机 Horizontal Motor

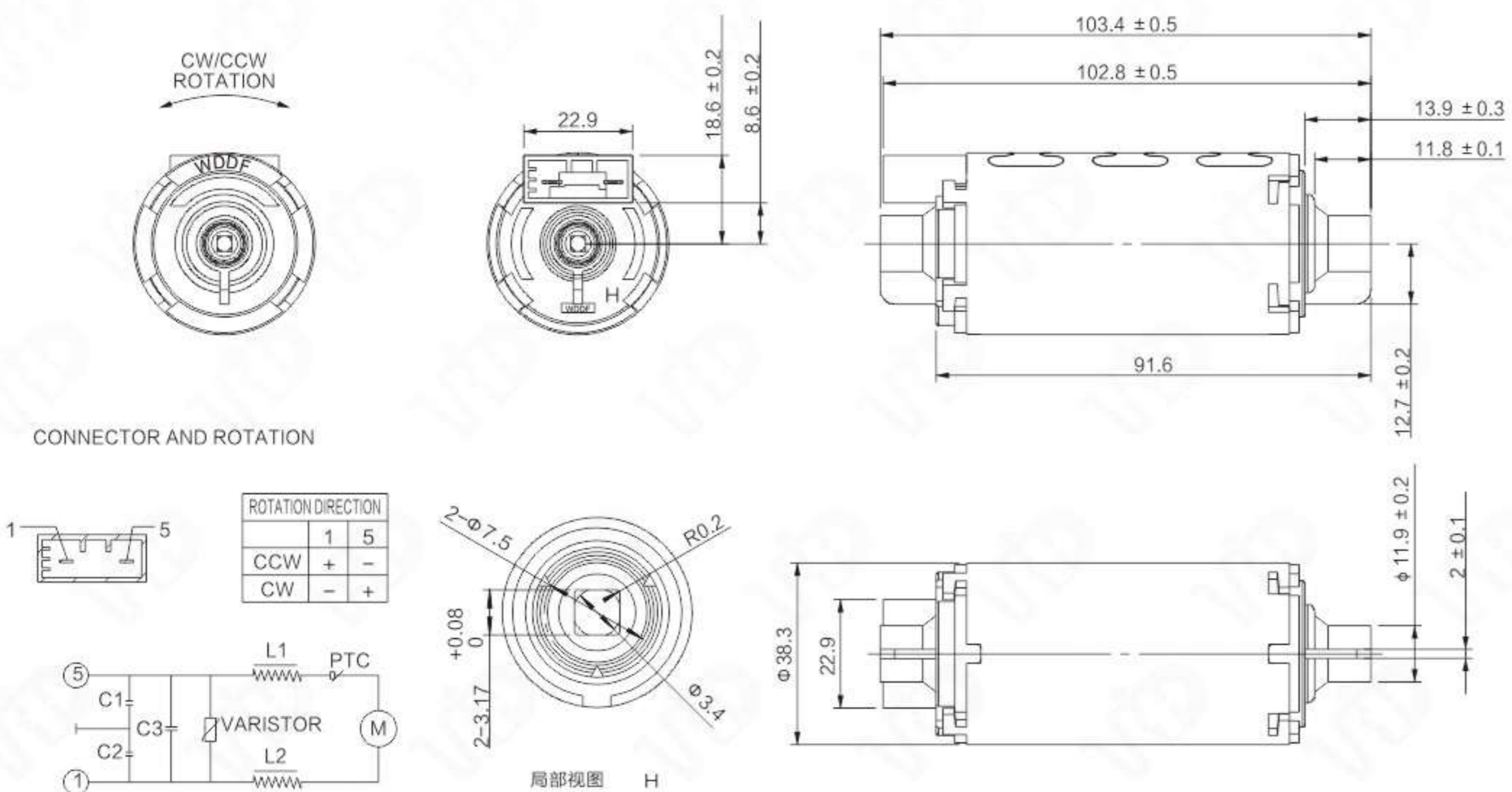


应用领域 Application

车载系统、医疗器械、精密仪器设备、智能家居设备
 Vehicle-mounted System, Armarium, Precision Equipment, Home Automation

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	空载转速 NO-LOAD SPEED	空载电流 NO-LOAD CURRENT	负载转速 LOAD SPEED	负载电流 LOAD CURRENT	功率 POWER	堵转力矩 STALLING TORQUE (N.M)	堵转电流 STALLING CURRENT
VDF3801	12V	3050 ± 12%	1 A max	2400 ± 12%	5.5 A max	66W	0.35 min	16 A max

规格参考 Specification



Vehicle-based DC Motor 车载电机

VDR3803 SERIES



VDR3803 汽车座椅腿托电机 Car seat leg motor

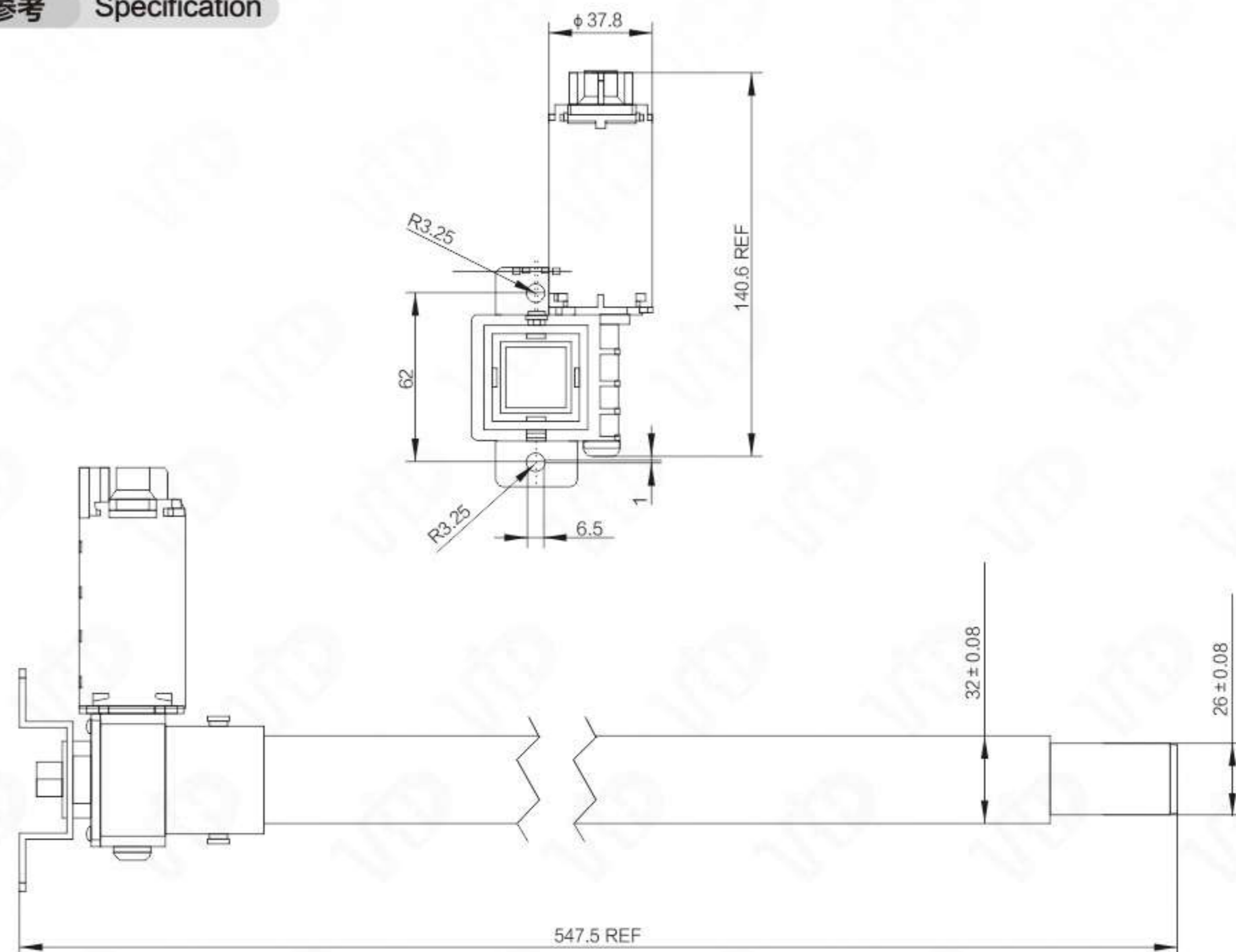


应用领域 Application

车载系统、医疗器械、精密仪器设备、智能家居设备
 Vehicle-mounted System, Armarium, Precision Equipment, Home Automation

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	空载转速 NO-LOAD SPEED	空载电流 NO-LOAD CURRENT	负载转速 LOAD SPEED	负载电流 LOAD CURRENT	推力 POWER	堵转力矩 STALLING TORQUE (N.M)	堵转电流 STALLING CURRENT
VDR3803	24V	23 ± 12% mm/s	1 A max	13.6 ± 10% mm/s	3 A max	60KG	700 ± 100N	7 A max

规格参考 Specification



Vehivle-based DC Motor 车载电机

VDF35 SERIES



VDF3501 抬高电机 Lifting Motor

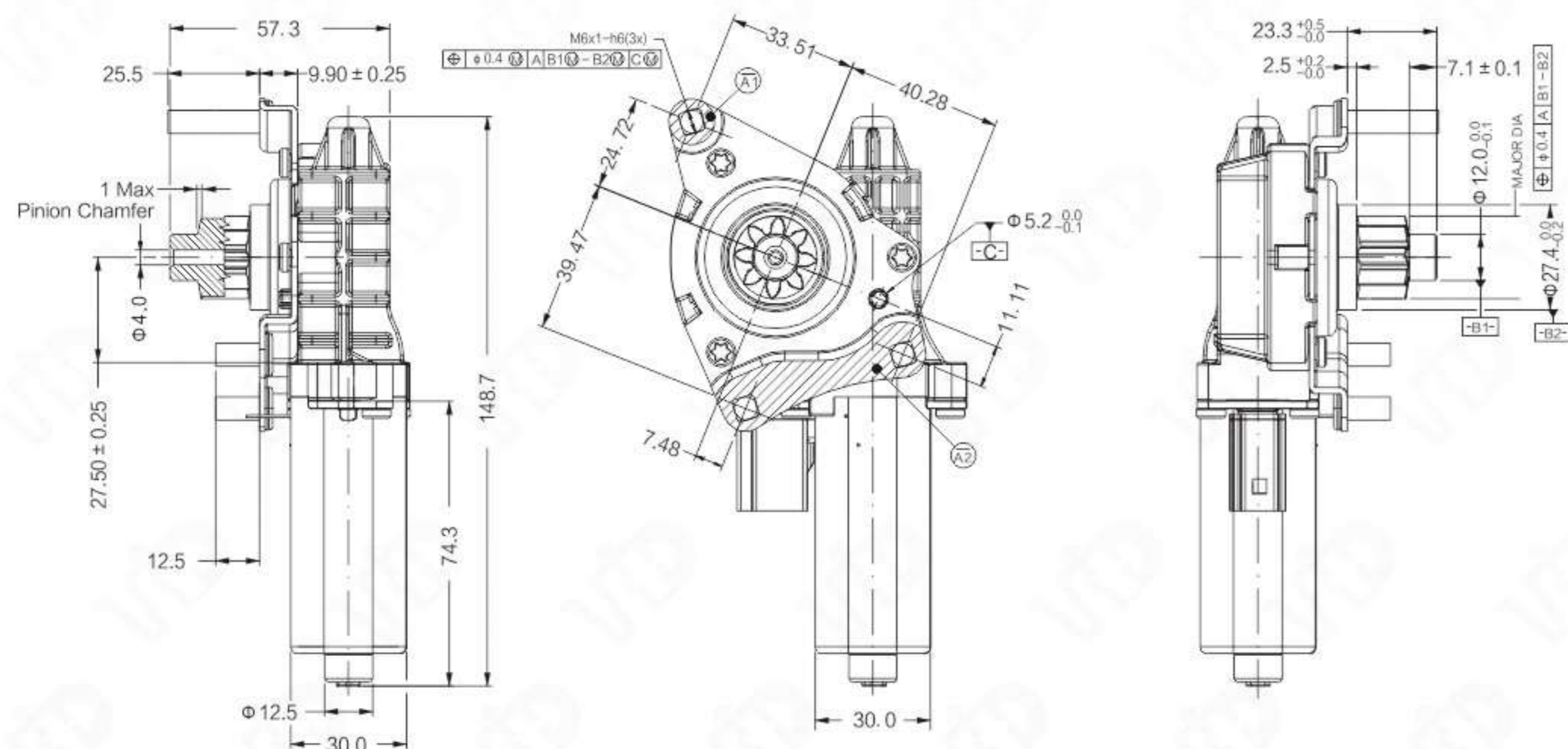


应用领域 Application

车载系统、医疗器械、精密仪器设备、智能家居设备
Vehicle-mounted System, Armarium, Precision Equipment, Home Automation

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	空载转速 NO-LOAD SPEED	空载电流 NO-LOAD CURRENT	负载转速 LOAD SPEED	负载电流 LOAD CURRENT	功率 POWER	堵转力矩 STALLING TORQUE (N.M)	堵转电流 STALLING CURRENT
VDF3501	12V	11 ± 10%	0.8 A max	7.2 ± 12%	3.0 A max	36W	20 min	8 A max

规格参考 Specification



Vehivle-based DC Motor 车载电机

VDF44 SERIES



VDF4401 调角电机 Angle Modulation Motor



应用领域 Application

车载系统、医疗器械、精密仪器设备、智能家居设备
Vehicle-mounted System, Armarium, Precision Equipment, Home Automation

型号 ITEM NUMBER	额定电压 RATED VOLTAGE	空载转速 NO-LOAD SPEED	空载电流 NO-LOAD CURRENT	负载转速 LOAD SPEED	负载电流 LOAD CURRENT	功率 POWER	堵转力矩 STALLING TORQUE (N.M)	堵转电流 STALLING CURRENT
VDF4001	12V	23 ± 3%	1.5 A max	19 ± 3%	4.0 A max	48W	16 min	14 A max

规格参考 Specification

