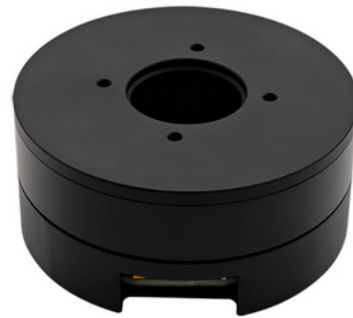
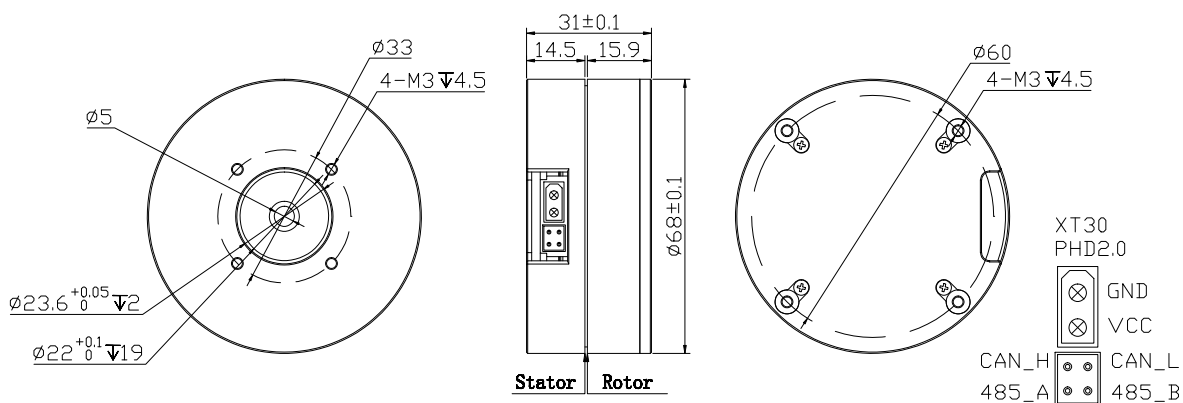


DDM7010 Gimbal Servo Motor

Gimbal motor with driver inside.



Dimension



Specification

Motor Data	Unit	Type:DDM7010-24	Type:DDM7010-36
1 Nominal voltage	V	24	36
2. Voltage range	V	12~24	12~36
3 Nominal current	A	3.1	1.3
4. Nominal Power	W	74.4	46.8
5 Nominal torque	N.m	0.8	0.8
6 Nominal speed	rpm	618	294
7 Max speed	rpm	924	564
8 Peak torque	N.m	1.93	1.59
9 Peak current	A	16	2.7
10 Speed constant	rpm/V	38.5	15.5
11 Torque constant	Nm/A	0.22	0.61
12 Number of pole pairs		14	14
13 Phase to phase resistance	Ω	0.83	5.29
14 Phase to phase inductance	mH	0.68	3.68
15 Communication		RS485/CAN	RS485/CAN
16 Encoder type		Single-turn absolute	Single-turn absolute
17 Resolution	bit	14	14
18 Weight	g	261	261
19 Working temperature	$^{\circ}\text{C}$	-20/80	-20/80