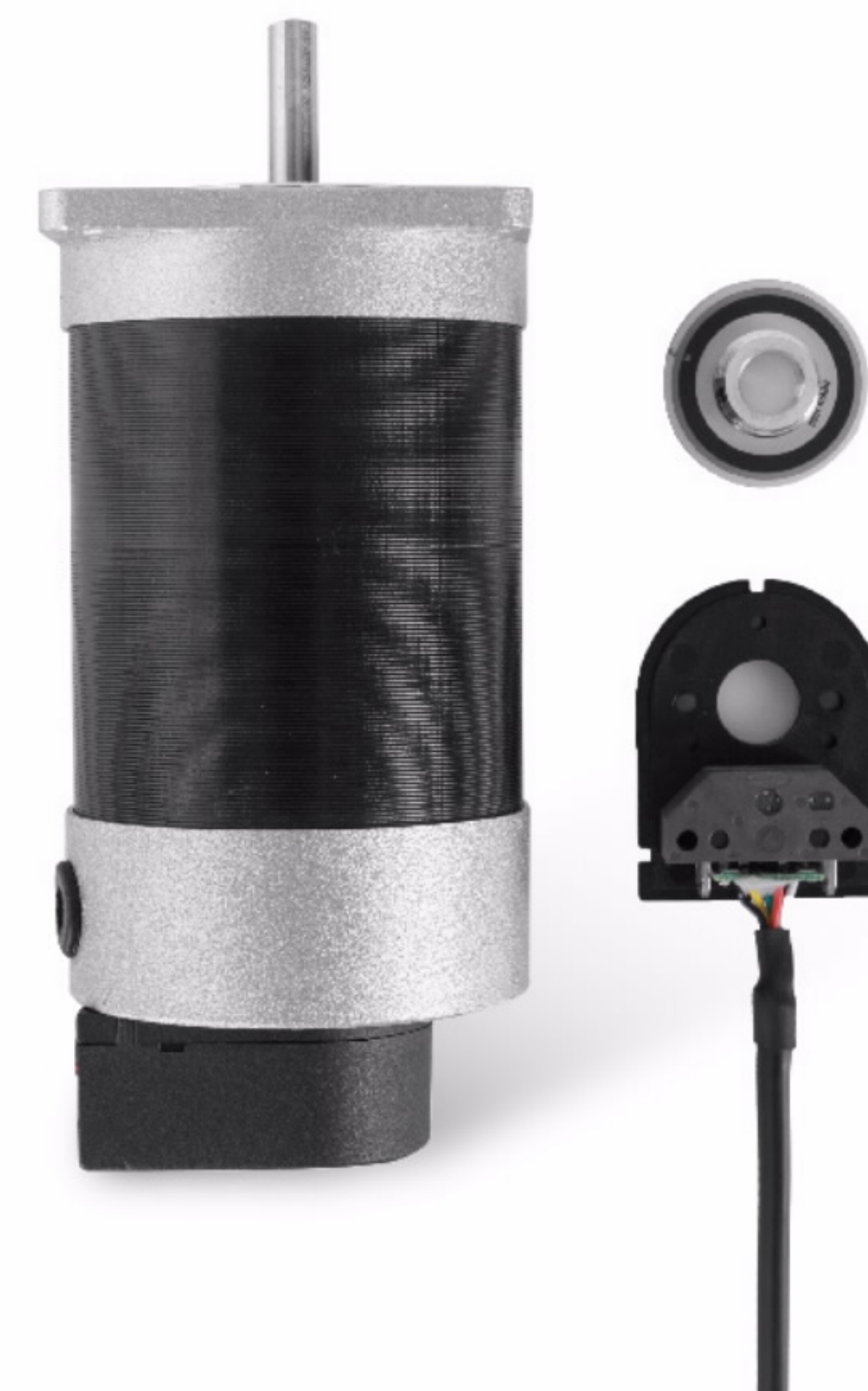


BLDC Motor with optical encoder

Product Structure: hollow shaft
 Outside diameter (mm): 30
 Aperture / Shaft Diameter(mm):3,4,5,6,8,10
 Resolution (CPR): 100,200,256,360,400,500,512,1000,1024
 Operating voltage: 5V
 Output circuit: voltage output, open collector, line driver
 Small size, TTL compatible



ELECTRICAL SPECIFICATION

Output signals	AB / ABZ
Power supply Voltage:	DC+5V
Output Form	Line driver/ Voltage output
Max. Current Consumption:	80mA(line driver) 120Ma(Voltage output)
Max. Response Frequency	100KHz
Raise/Fall Time:	200nS(line driver) 1uS(Voltage output)

MECHANICAL SPECIFICATION

Starting Torque	<0.05N.m
Inertia	4x10 ⁻⁸ kg.m ²
Max. Axial force	20N.m
Max. Radial Force	50N.m
Max. Rotation speed	6000RPM
Weight	100g

ENVIRONMENT SPECIFICATION

Working Temp.	-20~85 °C
Storage Temp.	-35~95 °C
Humidity	30~85%(no condensation)
Vibration	50m/s ² ,10~200Hz,2 hours each on XYZ
Shock	980m/s ² ,6ms,2 times each on XYZ
Protection Class	IP51

CONNECTION

Output Signal	Line driver	Output Signal	Voltage output
0V	Black	0V	Black
Vcc	Red	Vcc	Red
ChA	Green	ChA	Green
ChA-	Brown	ChB	White
ChB	White	ChZ	Yellow
ChB-	Grey		
ChZ	Yellow		
ChZ-	Orange		

DIMENSIONS

