

ABRS-5314HTG+Full HV / Advance Robot Brushless Digital High Voltage**Servo+HS+TG(Ultra High Torque)**

Control System	Positive PWM control 1500 usec Neutral	
Operating Voltage Range	7.4V ~ 12V (Support 2S ~ 3S Li-Poly)	
Operating Temperature Range	-20C° ~ +90C° (-4°F ~ 194°F)	
Test Voltage:	Stall Torque	Motion Speed
At 7.4V	25.1kg/cm , 348oz/in	0.18sec / 60 deg at no load
At 8.3V	32.4kg/cm , 466oz/in	0.16sec / 60 deg at no load
At 12V	53.1kg/cm , 708oz/in	0.14sec / 60 deg at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	330mA at no load	480mA at no load
Stall Current	5700mA	6500mA
Dead band width	2.1 usec	2.1 usec
Travel Degree	280 degree / 0.9us ~ 2.1us PWM	
Direction	Re-clock wise/ Pulse Travel 1500 to 2000 usec	
Motor Type	Japan Brushless motor	
Potentiometer Type	FSE11-4 Slider/indirect drive	
Amplifier Type	6A Treble Power MOS-FET	
Dimensions	43 x 32 x 32.5 mm/ 1.69 x 1.25 x 1.28 inch	
Weight:	81grams / 2.82oz without splined horn	
Ball Bearing	Dual / M10x6	
Gear Material	Stainless Steel Gears	
Horn Gear Spline	Metal 25 Tooth (External diameter: 5.9mm)	
Connector Wire Length	300mm (9.85inch)	
Connector Wire Stand Counter	60EA	
Connector Wire Gauge	22AWG	
Wire Info (Black)	- Negative	
Wire Info (Red)	+ Positive	
Wire Info (White)	S Single	

