



Product Model	SC1685MGX
Signal Type	Digital
Motor Type	High Speed Brushless Motor
Operating Voltage	DC 11.1V-16.8V (HV)
Operating Angle	180° ±3°(14bit ENCODER)
Control System	PWM Control(1500 uSec in the central point)
Pulse Width	500 to 2500 uSec(Support SR/SSR/SUR/SFR)
Working Frequency	50-2000Hz
Dead Band	2uSec
Operating Temperature	-20°C ~ +70°C
Case Material	Full CNC Aluminum
Bearing	All Ball Bearings
Gear Material	Strength Stainless Steel Oblique Gears
Horn Gear Spial	∅6.0-25T
Waterproof Level	IP67
Programmable	Programmable Angle Support 720 Degrees
CE FCC Certification	Yes
Connector Wire	22AWG 300mm JR Silicone Wire
Dimension	40x20x40.5mm(1.57 x 0.78 x 1.59in)
Weight	85g(3oz)

Operating Speed	Stall Torque
11.1V@ 0.106sec / 60°	50kg-cm (694oz-in)4300mAh
12.6V@ 0.09sec / 60°	58kg-cm (805oz-in)4800mAh
14.8V@ 0.08sec / 60°	63kg-cm (874oz-in)5200mAh
16.8V@ 0.07sec / 60°	70kg-cm (971oz-in)6000mAh

