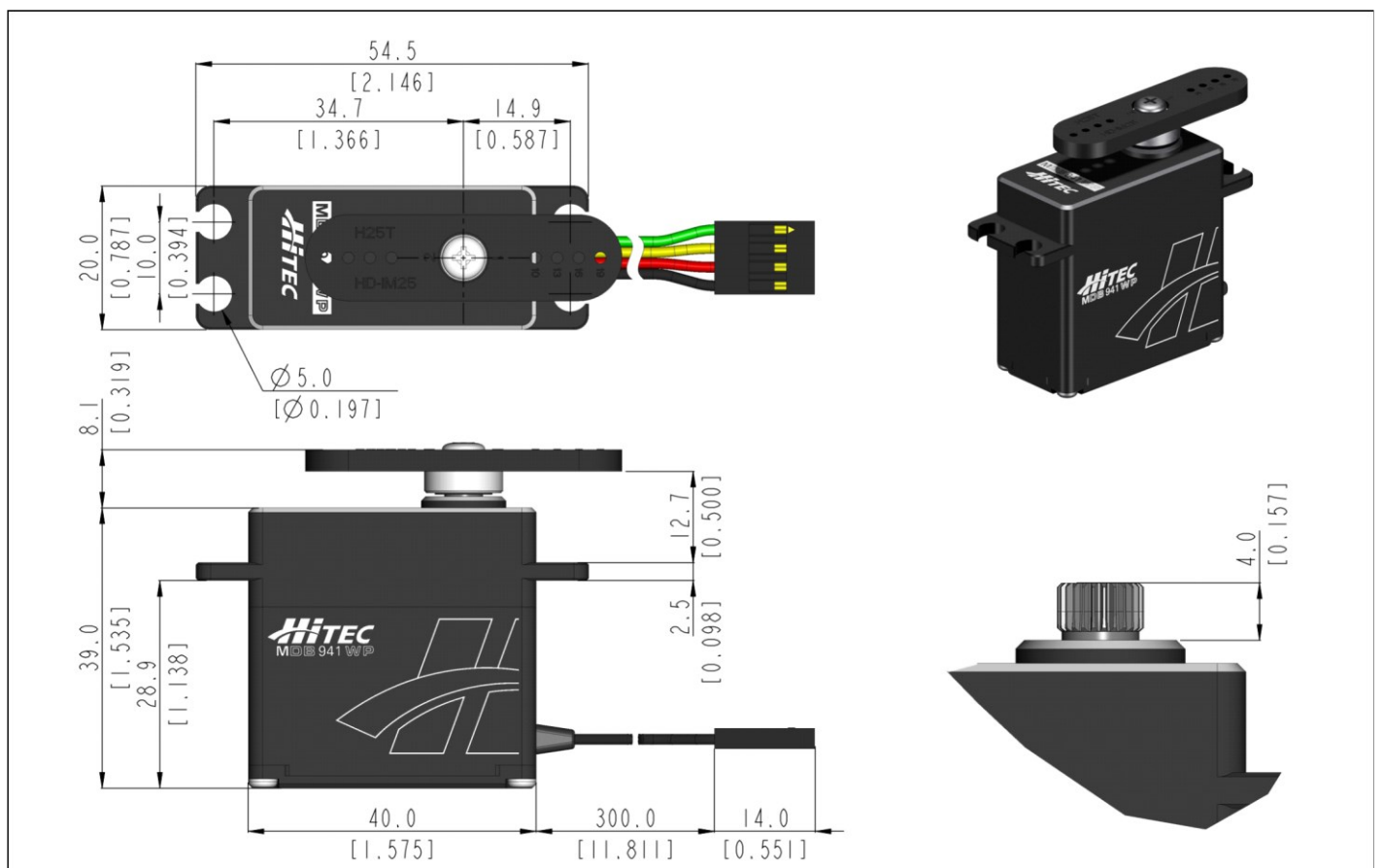


# MDB941WP-DroneCAN General Specification.



Control System	DroneCAN (UAVCAN v0)		-
Position Sensor Type	Contactless Magnetic Encoder		-
Motor Type	BLDC		At the Max voltage, it is recommended to be used only for a short time duration.
Operating Voltage Range	4.0 ~ 8.4V		
Voltage	-	6.0V	7.4V
No Load Speed	-	0.085sec/60°	0.07sec/60°
Stall Torque	-	20.6kgf-cm (286.08oz-in)	25.4kgf-cm (352.74oz-in)
Peak Efficiency Torque	-	4.1kgf-cm (56.94oz-in)	5.1kgf-cm (70.83oz-in)
Standing Current	-	30mA	30mA
No Load Running Current	-	500mA	500mA
Stall Current	-	8,000mA	8,000mA
Deadband	-	n/a	n/a
Operating Travel	Servo Mode : ±60°(Default), ±150°(Programmable)		F/W v1.5 or Higher version
Continuous Rotation	n/a		-
Operating Temperature Range	-20°C ~ +60°C (-4°F ~ +140°F)		-
Storage Temperature Range	-30°C ~ +80°C (-22°F ~ +176°F)		-
Connector Wire Length	300mm (11.811inch)		
Connector Wire Gauge	20AWG		
Dimensions	40.0mm x 20.0mm x 39.0mm (1.575inch x 0.787inch x 1.535inch)		General Tolerance ±0.1mm
Weight	91.7g (3.235oz)		Excluding the weight of Horn
Bearing Type	2 Ball Bearing		-
Case Material	Aluminum Alloy		-
Gear Material	5 Hardened Steel Gears		-
Gear Train Backlash	Max 0.5°		-
Horn Gear Spline	25T(Ø6)		-
IP-Rating	IP67		-
Servo Amplifier Type	32bit programmable Digital		-



1:1 scale (Unit : mm[inch])

- This product should not be used directly on the human body for medical purposes.
- This product should not be used for war weapons.
- All specifications are subject to change without notice.
- Be careful as strong magnetic fields may cause malfunction of the product.

