

Castle 1/8th ESC Comparison

	Sidewinder 8th	Mamba Monster 2	Mamba Monster X	Cobra 8
PRICE	\$	\$\$	\$\$\$	\$\$\$\$
PART NUMBER	010-0139-10	010-0108-00	010-0145-00	010-0172-00
MAX VEHICLE WEIGHT	<11 LBS. READY-TO-RUN	<15 LBS. READY-TO-RUN	<15 LBS. READY-TO-RUN	<15 LBS. READY-TO-RUN
SENSORED CAPABLE	NO	NO	YES	YES
INPUT VOLTAGE	2s-6s	2s-6s	2s-6s	2s-6s
INTERNAL BEC	FIXED: 5.0 volts, 2 amps.	5.0 - 7.0V, 5A Peak	5.0 - 8.0V, 8A Peak	5.0 - 8.0V, 8A Peak
AUXILIARY WIRE	NO	NO	YES	YES
CYRO-DRIVE™	NO	NO	NO	YES
WATERPROOF	YES	YES	YES	YES
PROGRAMMING OPTIONS	CASTLE LINK CLASSIC WINDOWS SOFTWARE AND CASTLE LINK V3 USB ADAPTER, FIELD LINK CARD (LIMITED OPTIONS) OR WITH CASTLE B-LINK™ ADAPTER AND CASTLE LINK ANDROID OR IOS APP.			CASTLE LINK 2 WINDOWS SOFTWARE AND CASTLE LINK USB V4 ADAPTER. B-LINK™ ADAPTER SUPPORT IN DEVELOPMENT
CASTLE LINK INCLUDED	NO	NO	COUPON INCLUDED	YES
CASTLE LINK USB PORT	MICRO-B	MICRO-B	MICRO-B	TYPE-C
B-LINK COMPATIBLE	YES	YES	YES	IN DEVELOPMENT
RUNNING MODES	SENSORLESS BRUSLESS AND BRUSHED MOTOR OPERATION		SMART SENSE™ SENSORLESS BRUSHLESS, SENSORED ONLY AND BRUSHED OPERATION	
SIZE (L x W x H)	2.45" x 2.2" x 1.33" 62.2mm x 56mm x 34mm	2.19" x 1.86" x 1.33" 56mm x 47mm x 34mm	2" x 1.93" x 1.44" 53mm x 49mm x 36.4mm	2.36" x 2.04" x 1.69" 60mm x 52mm x 43mm
WEIGHT	3.52oz (100g)	3.93oz (111.5g)	3.92oz (111g)	5.84oz (165.6g)
DATA LOGGING	NO	NO	YES, 10 data points, Max 10 samples per second, ~8 minute recording time with all data points @ max sample frequency	YES, 12 data points, Max 20 samples per second, ~29 minute recording time with all data points @ max sample frequency
CHEAT TIMING	NO	NO	Maximum advance: 45° Starting RPM: 100 RPM increments Ending RPM: 3-4 predetermined options	Maximum advance: 45° Starting RPM: 100 RPM increments Ending RPM: 100 RPM increments
CONSTRUCTION	WATERPROOF DESIGN, POTTED IN DURABLE INJECTION MOLDED CASE WITH 30MM REMOVABLE FAN			WATERPROOF DESIGN, POTTED IN RUGGED CNC ALUMINIUM CASE WITH TEMPERATURE REGULATED 30MM REMOVABLE FAN.
TELEMETRY COMPATIBLE	NO	NO	YES	IN DEVELOPMENT
REPLACEABLE ITEMS	ESC COOLING FAN, RECEIVER WIRE	ESC COOLING FAN	ESC COOLING FAN, RECEIVER HARNESS, SENSOR HARNESS	ESC COOLING FAN, RECEIVER HARNESS, SENSOR HARNESS, TOP CASE