















ROV MODEL	DEEP TREKKER – DTG3 PACKAGE	CHASING – M2 ROV	CHASING – M2 ROV PRO
IMAGE			
DEPTH RANGE [m]	200	100	150
DIMENSIONS [mm]	325 x 258 x 279	485 x 257 x 354	440 x 235 x 717
WEIGHT [kg]	9	9	26
SPEED	1.5 m/s (3 knots)	1.5 m/s (3 knots)	-
RUN-TIME	2 hrs normal operation	2 hrs normal operation	3-6 working hours
BATTERY	96 Wh lithium ion smart battery / user replacable	96 Wh lithium ion smart battery / user replacable	19.2 VDC
THRUSTERS	powerful thrusters 4 x 350 W	powerful thrusters 4 x 350 W	6X INDEPENDENT CONTROL INFINITELY VARIABLE 100% REVERSIBLE
THETHER [m]	75	Min 75	300
SENSORS	Inertial Measurement Unit (IMU) with 3-axis gyro and 3-axis accelerometer. Depth sensor Magnetometer (compass) Temperature (inside and outside) Internal pressure sensor	Inertial Measurement Unit (IMU) with 3-axis gyro and 3-axis accelerometer. Depth sensor Magnetometer (compass) Temperature (inside and outside) Internal pressure sensor	Intelligent sensor package complete with water temperature, battery leves, auto depth and auto heading
STORAGE CAPACITY	64 GB	256 GB	
CAMERA RESOLUTION	FULL HD 1080p/30fps	FULL HD 1080p/30fps	FULL HD 1080p/30fps
FOV	115°	115°	-
TILT	-30° to + 30°	-30° to + 30°	-
DRONE CONTROLLER	Wireless drone controller for iOS and Android smartphones and tablets	Wireless drone controller for iOS and Android smartphones and tablets	Wireless drone controller for iOS and Android smartphones and tablets
LINK	WEBSITE	WEBSITE	WEBSITE
WARANTY	1 year	1 year	1 year
AI VIDEO ANALYSIS SOFTWARE	NO	NO	NO
COMPATIBLE WITH KARMENstudio	YES	YES	YES
SOFTWARE	Blueye App / Blueye Observer / Blueye File Transfer App	Blueye App / Blueye Observer / Blueye File Transfer App	Bridge Technology
	Blueeye App – operating underwater dron, downloading media files and dive logs, generateing inspection reports from any device Observer App – allows mulitple people to connect to the drone and view the video stream at the same time	Blueeye App – operating underwater dron, downloading media files and dive logs, generateing inspection reports from any device Observer App – allows mulitple people to connect to the drone and view the video stream at the same time	Bridge software – enables to see and record dana from many different sensors all from a handheld controller. If positional sensors are added such as USBL, position on screen via Google map can be seen. Same for other sensors integrated in ROV, they all can be seen on the BRIDGE software

ROV MODEL	BLUEYE ROBOTICS – BLUEYE PRO	BLUEYE ROBOTICS – BLUEYE X3	DEEP TREKKER – REVOLUTION ROV
IMAGE			
DEPTH RANGE [m]	200	100	150
DIMENSIONS [mm]	325 x 258 x 279	380 x 267 x 165	480 x 267 x 165
WEIGHT [kg]	8.5	4.5	5.7
SPEED	-	1.5 m/s (3 knots)	1.5 m/s (3 knots)
RUN-TIME	-	2-4 hours	up to 4h
BATTERY	19.2 VDC	97.68 Wh	302.4 Wh
THRUSTERS	-	8 VECTORED-THRUSTERS LAYOUT, OMNI MOVEMENT	8 VECTORED-THRUSTERS LAYOUT, OMNI MOVEMENT
TETHER [m]	75-100	100 or 200	200
SENSORS	Intelligent sensor package complete with water temperature, battery levels, auto depth and auto heading	Inertial Measurement Unit (IMU) with 3-axis gyro and 3-axis accelerometer. Depth sensor Temperature sensor	Inertial Measurement Unit (IMU) with 3-axis gyro and 3-axis accelerometer. Depth sensor Temperature sensor
STORAGE CAPACITY	-	512 GB	512 GB
CAMERA RESOLUTION	FULL HD 1080p/30fps	FULL HD 1080p/30fps	4K 3840 x 2160 / (30fps)
FOV	270 °(TOTAL RANGE OF VIEW)*	152°	152°
TILT	-	-	-
DRONE CONTROLLER	Wireless drone controller for iOS and Android smartphones and tablets	Wireless drone controller for iOS and Android smartphones and tablets	Wireless drone controller for iOS and Android smartphones and tablets
LINK	WEBSITE	WEBSITE	WEBSITE
WARANTY	2 years	2 years	2 years
AI VIDEO ANALYSIS SOFTWARE	NO	NO	NO
COMPATIBLE WITH KARMENstudio	YES	YES	YES
SOFTWARE	Bridge Technology	Android and IOS app	Android and IOS app
	Bridge software – enables to see and record data from many different sensors all from a handheld controller. If positional sensors are added such as USBL, position on screen via Google map can be seen. Same for other sensors integrated in ROV, they all can be seen on the BRIDGE software	Android or IOS application is designed for: controlling ROV live streaming taking snapshots recording videos setting camera settings while ROV is underwater	Android or IOS application is designed for: controlling ROV live streaming taking snapshots recording videos setting camera settings while ROV is underwater



ROV MODEL	MISSION SPECIALIST DEFENDER ROV	MISSION SPECIALIST PRO 5	QYSEA – FIFISH V6 EXPERT
IMAGE			
DEPTH RANGE [m]	1000	350	100
DIMENSIONS [mm]	751.6 x 393.7 x 266.7	496 x 347 x 223	383 x 331 x 143
WEIGHT [kg]	32.5	25.2	4.6
SPEED	-	2.5 m/s	1.5 m/s
RUN-TIME	-	2-4 hrs	Up to 4
BATTERY	no battery 400 VDC power module	no battery 400 VDC power module	156 Wh Onshore Power Supply System (optional, 200M tether)
THRUSTERS	4 VECTORED HORIZONTAL THRUSTERS 3 VERTICAL THRUSTERS	2 VECTORED HORIZONTAL THRUSTERS 1 VERTICAL THRUSTERS	-
TETHER [m]	400-1000	400-2000	100-300
SENSORS	9 DOF IMU and Magnetic Compass Pressure based depth sensor Roll&Pitch Yaw Gyro Biass stability	Inertial Measurement Unit (IMU) with 3-axis gyro and 3-axis accelerometer. Depth sensor Magnetometer (compass) Temperature (inside and outside) Internal pressure sensor	*OPTIONAL* Dissolved Oxygen Sensor Salinity Sensor Turbidity Sensor pH Sensor
STORAGE CAPACITY	-	256 GB	64 GB
CAMERA RESOLUTION	1920 x 1080 / 25fps	1920 x 1080 / 25fps	4K
FOV	180°	180°	166°
TILT	-	-	-
DRONE CONTROLLER	180°	180°	REMOTE CONTROL SYSTEM
LINK	WEBSITE	WEBSITE	WEBSITE
WARANTY	2 years	2 years	1 year
AI VIDEO ANALYSIS SOFTWARE	NO	NO	NO
COMPATIBLE WITH KARMENstudio	YES	YES	YES
SOFTWARE	Operator Control Consol	Operator Control Consol	Fifish mobile app
	OPERATOR CONTROL CONSOL (OCC) – provides tools for operating ROV – allows recording and streaming of the video – enables users to set photo/video parameters Workspace allows operators to use a single-screen interface to easily direct and maneuver ROV, and quickly adapt to changing mission objectives. Supports multiple devices and configurations.	OPERATOR CONTROL CONSOL (OCC) – provides tools for operating ROV – allows recording and streaming of the video – enables users to set photo/video parameters Workspace allows operators to use a single-screen interface to easily direct and maneuver ROV, and quickly adapt to changing mission objectives. Supports multiple devices and configurations.	FIFISH MOBILE APP provides following features: – real-time transmission of depth, direction data, and camera parameters – one-button control for shooting, recording & saving photos or videos – adjustable focus and macro mode – replays photos or videos at any time – downloads original 4K video with high resolution



ROV MODEL	QYSEA – FIFISH V6s	BLUEYE ROBOTICS – BLUEYE X3	DEEP TREKKER – REVOLUTION ROV
IMAGE			
DEPTH RANGE [m]	200	100	150
DIMENSIONS [mm]	383 x 331 x 143	380 x 267 x 165	480 x 267 x 165
WEIGHT [kg]	4.1	4.5	5.7
SPEED	1.5 m/s	1.5 m/s	1.5 m/s
RUN-TIME	-	2-4 hours	up to 4h
BATTERY	156 Wh Onshore Power Supply System (optional, 200M tether)	-	-
THRUSTERS	-	6 POWERFUL T200 THRUSTERS – 4 Vectored – 2 Vertical	5 THRUSTERS – 4 Horizontal – 1 Vertical
TETHER [m]	100-300	300	450
SENSORS	-	3-DOF Gyroscope 3-DOF Accelerometer 3-DOF Magnetometer Internal barometer Blue Robotics Bar 30 Pressure/depth and Temperature Sensor Current and Voltage Sensing Leak Detection	AUTOPILOT (auto depth and heading, auto altitude, station keeping and fine position control)
STORAGE CAPACITY	128 GB	-	-
CAMERA RESOLUTION	4 K	1080px	HD CAMERA high resolution colour camera
FOV	166°	110°	-
TILT	-	-	-
DRONE CONTROLLER	REMOTE CONTROL SYSTEM	BlueOS-REMOTE CONTROL	Saab Seaeye's iCON
LINK	WEBSITE	WEBSITE	WEBSITE
WARANTY	1 year	90 days	-
AI VIDEO ANALYSIS SOFTWARE	NO	NO	NO
COMPATIBLE WITH KARMENstudio	YES	YES	YES
SOFTWARE	Fifish mobile app	BlueOS platform	-
	FIFISH MOBILE APP provides following features: - real-time transmission of depth, direction data, and camera parameters – one-button control for shooting, recording & saving photos or videos – adjustable focus and macro mode – replays photos or videos at any time – downloads original 4K video with high resolution	BlueOS-modular is a robust, and efficient platform for managing a vehicle or robot from its onboard computer.	Software provides real time system control and feedback from the heart of every subsystem.