an AUVSI database

AUVSI™

AUVSI is the world's largest nonprofit organization dedicated to the advancement of uncrewed systems and robotics. We're committed to ensuring that new innovations are implemented in safe and equitable ways—so that autonomy works for everyone.

To achieve industry advancement, AUVSI actively:

- ✔ Advocates for the establishment of enabling laws and regulations
- ✔ Educates policymakers, industry and media on the nuances of the uncrewed industry
- ✔ Provides enhanced business tools to the industry by becoming a source for business intelligence
- ✔ Connects the industry with events and resources to facilitate an active marketplace

UNCREWED SYSTEMS & ROBOTICS DATABASE (USRD)

USRD
an AUVSI database

USRD provides technical data on over 9,000 uncrewed vehicle and mobile robot system operating in the air, ground and maritime domains.

Development since 2010 with updates applied daily

Global coverage of uncrewed systems

Comprehensive coverage of domains, industries and development status

Comprehensive statistics & capabilities for each system

Data exports available in Excel and PDF formats future API integration

Integrated SQL-based search functionality

DATABASE-WIDE SPECIFICATIONS

Vehicle Models Represented
9,100+

Vehicle Parameters Captured
220+ parameters

Global Organizations Represented
2,500+

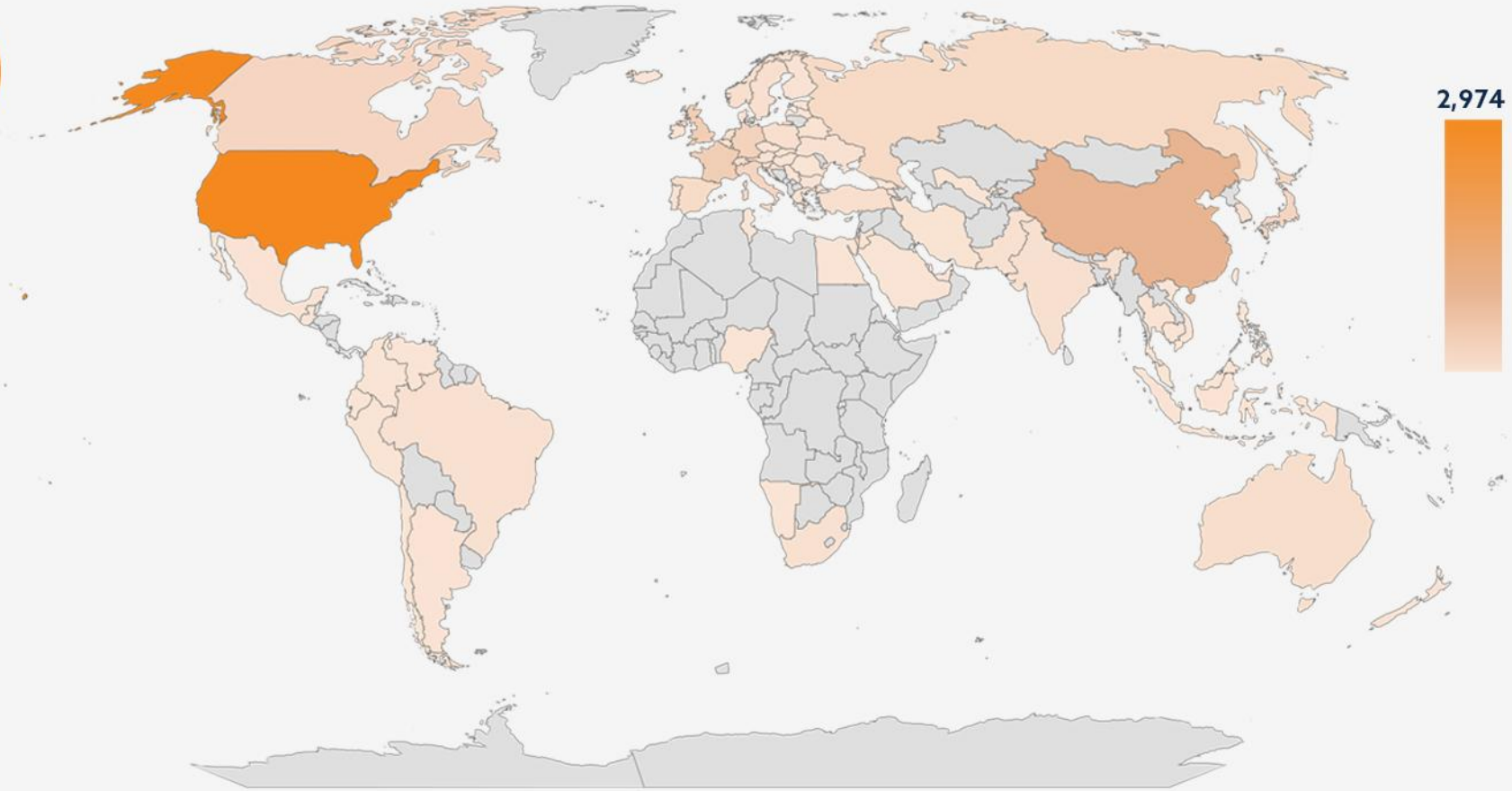
Countries Represented
77

Total Data Points
450,000+

DISTRIBUTION OF UNCREWED VEHICLE MODELS BY MANUFACTURER HQ LOCATION

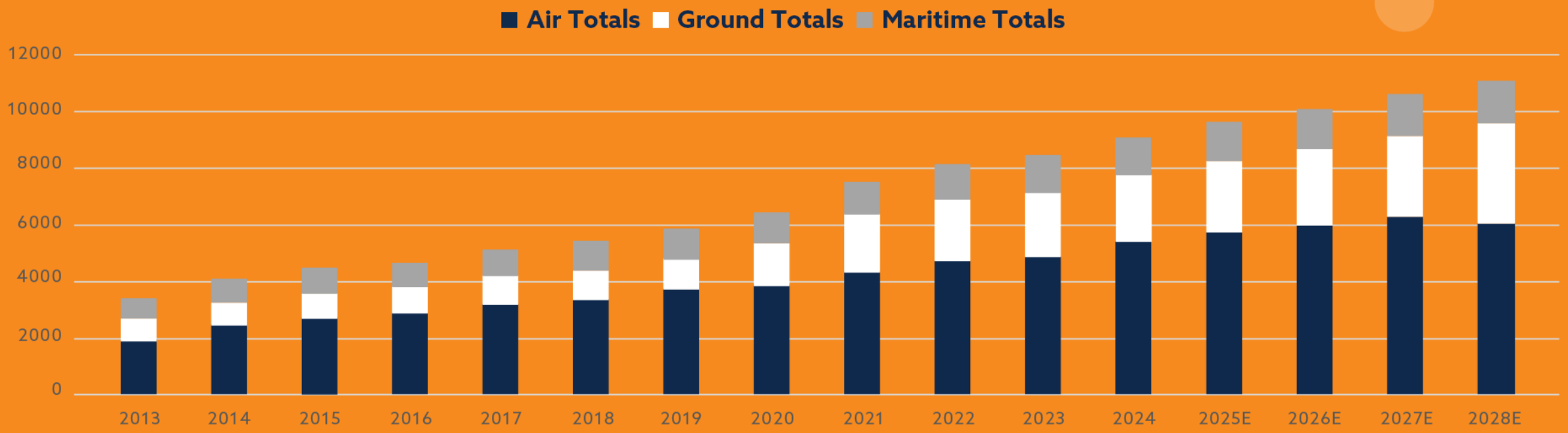
TOP 10

🇺🇸	2,974
🇨🇳	1,149
🇬🇧	514
🇫🇷	494
🇩🇪	348
🇯🇵	304
🇨🇦	297
🇮🇹	289
🇮🇱	251
🇷🇺	222



77 countries represented across all three domains

TOTAL PLATFORMS IN THE USRD

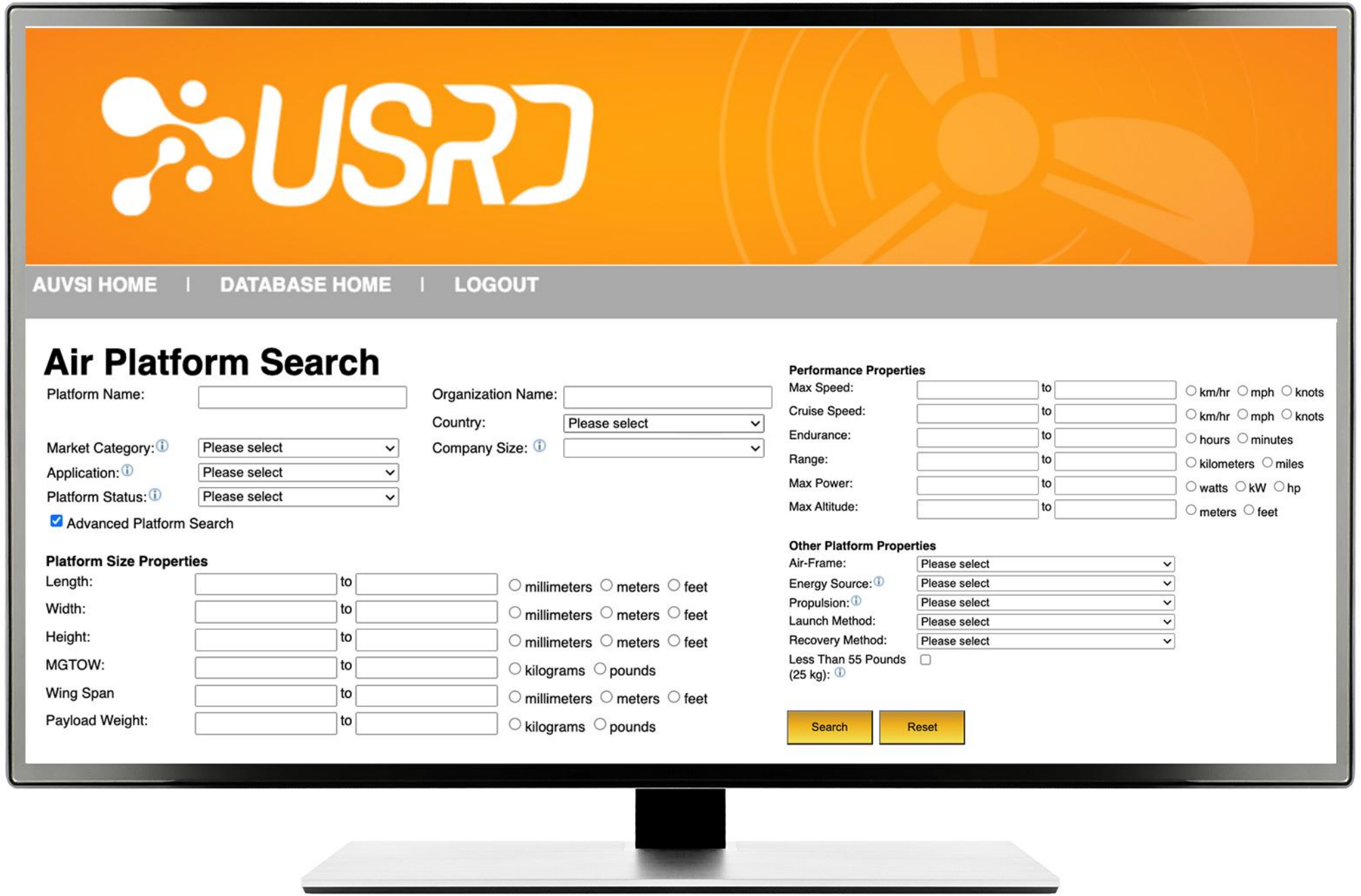


USRD SELECTED PERFORMANCE SPECIFICATIONS

Air Domain Stats	Lower Limit	Upper Limit	Median	Count
Payload (kg)	0.0001	143,000	6.1	2,900
Endurance (hours)	0.0100	876,000	1.5	3,666
Max Speed (knots)	0.3900	15,207	64.8	2,443
Max Gross Takeoff Weight (kg)	0.0001	35,610	15.0	3,640
Wing Span (m)	0.0300	133	2.1	3,547

Ground Domain Stats	Lower Limit	Upper Limit	Median	Count
Payload (kg)	0.0160	272,155	400.0	1,144
Endurance (hours)	0.2500	80	6.0	807
Max Speed (km/hr)	0.0200	193	5.4	1,389
Weight (kg)	0.0300	60,000	120.0	1,294
Length (m)	0.0500	15	1.1	1,403

Maritime Domain Stats	Lower Limit	Upper Limit	Median	Count
Max Depth (m)	1.0000	11,000	500.0	813
Endurance (hours)	0.3300	43,800	12.0	486
Weight (kg)	0.1500	185,520	172.5	958
Length (m)	0.1300	80	2.2	1,050


USRD
AUVSI HOME | DATABASE HOME | LOGOUT
Air Platform Search
Platform Name:
Organization Name:
Country:
Please select
Company Size:
Market Category:
Please select
Application:
Please select
Platform Status:
Please select
Advanced Platform Search
Platform Size Properties
Length: to millimeters meters feet
Width: to millimeters meters feet
Height: to millimeters meters feet
MGTOW: to kilograms pounds
Wing Span to millimeters meters feet
Payload Weight: to kilograms pounds
Performance Properties
Max Speed: to km/hr mph knots
Cruise Speed: to km/hr mph knots
Endurance: to hours minutes
Range: to kilometers miles
Max Power: to watts kW hp
Max Altitude: to meters feet
Other Platform Properties
Air-Frame: Please select
Energy Source: Please select
Propulsion: Please select
Launch Method: Please select
Recovery Method: Please select
Less Than 55 Pounds (25 kg):
Search
Reset

Skydio 2+

by: Skydio, Inc. (United States)

NEW SEARCH

SEARCH RESULTS

PRINT THIS PAGE

2 of 4

Domain: Air
Market Category: Consumer, Commercial
Application: Hobby; Imaging; Inspection
Continent: North America
Countries: United States
Production Status: **Actively Marketed**
Platform Website

Description:

With 13+ Stops of dynamic range, Skydio 2+ can look deep into dark shadows, bright skies, and everything in between for perfectly exposed 4K photos and videos.

Expand All

PLATFORM SIZE PROPERTIES

Length:	0.23 meters (229.00 mm; 0.75 feet)	
Width:	0.27 meters (274.00 mm; 0.90 feet)	
Height:	0.13 meters (126.00 mm; 0.41 feet)	with battery and antennas up; 51 mm without battery and antennas down
Wing Span:	0.27 meters (274.00 mm; 0.90 feet)	width
MGTOW:	0.80 kg (1.76 lbs)	with battery
Less Than 55 Pounds (25 kg):	Yes	

PERFORMANCE PROPERTIES

Max Speed:	31.30 knots (57.90 kmhr; 36.00 mph)
Speed Comment:	fully autonomous at sea level, without wind
Endurance:	0.45 hrs (27.00 mins)
Max Range:	6.00 km (3.70 miles)
Max Range Comment:	controller range; 3 km (1.9 mi) beacon range
Max Altitude:	4572.00 meters; 15000.00 feet
Max Altitude Comment:	density altitude; 500 m (1640 ft) max altitude from control device
Maximum Operating Temperature:	104.00 F (40.00 C)

POWER & PROPULSION PROPERTIES

Propulsion:	Electric Motor, Propeller
Energy Source:	Battery
Battery Type:	3S Li-ion, 5410 mAh
Battery Location:	Inside Fuselage
Battery Weight:	10.60 oz (300.00 g)
Energy Source Comment:	- Size: 64.5 x 121.6 x 38.8 mm (l x w x h) - Type: lithium ion polymer - Configuration: 3s1p - Energy Capacity: 59.89 Wh - Nominal Voltage: 11.07VDC - Maximum Charging Voltage: 13.05 V - Operational Temperature Range: -5°C to 40°C - Charging Temperature Range: 0°C to 35°C

PAYLOAD PROPERTIES

Payload Location:	Nose
Payload Description:	Primary Camera System - Sensor Type: Sony IMX577 1/2.3" 12.3MP CMOS - Sensor Active Pixels: 4056 (H) x 3040 (V) - Lens Aperture: f/2.8 - Lens Focal Length: 20mm (35mm format equivalent) - Lens Depth Of Field: 1m - ∞ - Shutter Speed: electronic shutter 1 to 1/1920s - Iso Range: video 100-3200; photo 100-3200 - Exposure Control: -2.0, -1.5, -1.0, -0.5, 0, 0.5, 1.0, 1.5, 2.0 - Image Signal Processor: Qualcomm QCS605 - GPU: Adreno™ 615 - CPU: 64-bit octa-core Kryo™ 300 - DSP: Hexagon™ 685, 2x HVX - Resolution And Modes: 3840x2160 30 fps; 3840x2160 60 fps; 3840x2160 48 fps; 3840x2160 24 fps; 1920x1080 120 fps; 1920x1080 60 fps; 1920x1080 30 fps - Bitrate: 100 Mbps - Video Format: MPEG-4 (AVC/H.264, HEVC/H.265) - Still Resolution: 4056x3040 (12 MP) - Still Formats: JPEG, DNG (RAW) - Still Modes: Single, Interval - Dynamic Range: 13 stops - Storage: Removable Micro SD Card UHS Speed Class 3 / V30 - Stabilization Mechanical Range: pitch ±124°, roll ±120°, yaw ±12.5° - Pitch Controllable Range: -90° to 45°

OTHER PLATFORM PROPERTIES

Air-Frame:	Helicopter (or Multirotor)
Air-Frame Comment:	Quadrotor
Rotors Enclosed:	No
Launch Method:	VTOL
Recovery Method:	VTOL
Communication/Data Link:	Wireless & GPS - Range To Phone (Line Of Sight, Ideal Conditions): 200 m - Range To Beacon (Line Of Sight, Ideal Conditions): 3 km - Range To Controller (Line Of Sight, Ideal Conditions): 6 km - Operating Frequencies: 5.18-5.24 GHz; 5.725-5.85 GHz - Channel Width (Standard Wifi): 20 and 40 MHz - Channel Width (Skydio Link™): 5 and 10 MHz
Operating RC Bandwidth:	~2.4/5.2/5.8 GHz
Telemetry/Video Transmission Bandwidth:	~2.4/5.2/5.8 GHz
BLOS Capability:	No
Navigation/Control:	Autonomy System - Main Processor: NVIDIA Tegra X2 SOC - GPU: 256-core NVIDIA Pascal™ GPU - CPU: Dual-Core NVIDIA Denver 2 64-bit CPU; Quad-Core ARM® A57 MPCore - RAM: 4GB 128-bit LPDDR4 - Obstacle Avoidance Coverage: Omnidirectional and above/below; Super fisheye lenses for 360° view - 3d World Model Update Rate: > 1 million points per second - World Model-To-Action Update Rate: 500 iterations per second - Onboard Ai: 9 custom deep networks used in flight - User-Selectable Subjects For Tracking: People and motor vehicles - Object Tracking And Identification: Up to 10 simultaneous objects of interest - Calibration: Automated online calibration of lens parameters, camera rotations, wind speed, and air density - Cinematic Skills: Motion Track (relative to subject motion); Fixed Track (relative to absolute orientation); One Shots (dronie, rocket, boomerang, and vortex); Cable cam (single pass, looping, or track) Navigation Camera System - Configuration: 6x cameras in trinocular configuration top and bottom - Sensor Type: Sony 1/3" 4K color CMOS - Lens Aperture: f/1.8 - Field-Of-View: 200° - Environment Coverage: True 360° Skydio 2+ Beacon - General - Size: 43 x 129 x 19.5 mm - Weight: 91.5g - Battery Capacity: 1460mAh 3.8V - Battery Life (Active): 3 hr - Usb Ports: USB-C (charge and data) - Operational Temperature Range: -5°C to 40°C - Control Options: Drag and drop positioning; Adjust tracking azimuth; Adjust tracking range; Adjust elevation; Initiate One Shot; Stop and hover Skydio 2+ Beacon - Wireless & GPS - Range (Line Of Sight, Ideal Conditions): 3 km - Operating Frequencies: 2.4-2.483 GHz; 5.18-5.24 GHz; 5.725-5.85 GHz - Channel Width (Standard Wifi): 20, 40, and 80 MHz - Channel Width (Skydio Link™): 5 and 10 MHz - Gps Satellite Constellations: GPS and GLONASS Controller - General - Size Folded: 94 x 153 x 71 mm (l x w x h) - Size Unfolded: 153 x 153 x 117 mm (l x w x h) - Weight: 386 grams - Operational Temperature Range: -5°C to 40°C - Live Streaming Resolution: HD 720p - iOS And Android Supported Mobile Devices: iOS and Android screen size up to 6" and tablets with optional adapter - Battery Life: 2h30 (Android); 5h30 (iOS) - Battery Capacity: 2500mAh 3.6V - USB Ports: USB-C (Charge and Data) - Design And Manufacturing: Parrot SA Controller - Wireless & GPS - Range (Line Of Sight, Ideal Conditions): 6 km - Operating Frequencies: 2.4-2.483 GHz; 5.18-5.24 GHz; 5.725-5.85 GHz - Channel Width (Standard Wifi): 20, 40, and 80 MHz - Channel Width (Skydio Link™): 5 and 10 MHz - Gps Satellite Constellations: GPS and GLONASS
Navigation Method:	GPS, Autopilot, RC
Miscellaneous:	Size Of Included Hard CaseL 297 x 255 x 65 mm (l x w x h) (case fits: drone, spare propellers, charging cable, and either 2 batteries or 1 battery and 1 wall adapter.)

FLIR FirstLook (formerly 110 FirstLook)

by: FLIR Systems, Inc. (United States)

NEW SEARCH
SEARCH RESULTS
PRINT THIS PAGE

2 of 7

Domain: Ground
Market Category: Civil, Military
Application: Chemical, Biological, Radiological, Nuclear (CBRN); Disaster Response; Exploration; Explosive Ordnance Disposal; Inspection; Intelligence, Surveillance, Reconnaissance; Observation; Patrol, Security; Search & Rescue; Target Acquisition
Continent: North America
Countries: United States
Production Status: **Actively Marketed**
Platform Website

Description:

FirstLook is a throwable, rugged, and expandable robot that provides immediate situational awareness, performs persistent observation and investigates dangerous and hazardous material while maintaining a safer stand-off distance for operators. FirstLook allows operations where other robots can't fit or maneuver. This rugged, lightweight robot can be inserted into structures and provides operators with visual, audio, and sensor

... read more

Expand All

PLATFORM SIZE PROPERTIES

Length:	0.25 meters (254.00 mm; 0.83 feet)	
Width:	0.23 meters (228.60 mm; 0.75 feet)	
Height:	0.10 meters (101.60 mm; 0.33 feet)	
Weight:	3.00 kg (6.60 lbs)	mobility platform including integrated battery; legacy data shows a previous weight of 2.4 kg (5.2 lbs)

PERFORMANCE PROPERTIES

Max Speed:	2.70 mph (4.35 km/hr)
Endurance:	8.00 hrs (480.00 mins)
Endurance Comment:	6-8 hrs; more than 6 hrs on average; up to 10 hrs stationary
Range:	0.20 km; 0.12 miles
Range Comment:	200 m (656 ft) LOS
Power Source(s):	Electric Motor
Operating Conditions:	- Rugged: IP67 (submersible to 3.3 ft./ 1 m), MIL-STD-810 - Operating temperature: -4° to 131° F (-20° to 55° C)
Energy Source:	Battery
Battery Type:	Li-ion, 7500 mAh
Battery Location:	Internal
Battery Weight:	49.38 oz (1400.00 g)
Energy Source Comment:	BB-2590 Lithium Batteries
Minimum Operating Temperature:	-4.00 F (-20.00 C)
Maximum Operating Temperature:	131.00 F (55.00 C)

OTHER PLATFORM PROPERTIES

Locomotion:	Tracked
Locomotion Comment:	dual tracks + articulated flippers
Maneuverability/Mobility:	- FirstLook is maneuverable in a variety of environments. The robot climbs steps up to 7 inches high, overcomes curbs and other obstacles, turns in place and self-rights when flipped over. - Mobility - Agility: Zero radius turn - Mobility - Slopes: 30° (ascend, descend and lateral) - FirstLook is throwable. The robot can survive 16-foot drops onto concrete and is waterproof to 3 feet.
Manipulator/Lift:	FirstLook equipped with the Small Lightweight Manipulator (SLM) provides hands and eyes-on control in all situations. SLM can lift 3 lbs and extends 12" above the ground. - Size Stowed: 3" H x 7.5" W x 10.5" L (7.6 cm x 19.1 cm x 26.7 cm) - Weight: 3.7 lbs (1.7 kg) - Gripper Reach: 9.2" (23.4 cm) - Max Lift Capacity: 3.5 lbs (1.6 kg) - Actuated Degrees of Freedom: Shoulder Pitch, 225°; Gripper Open/Close; Camera Mast Pitch, 90° - Manual Degrees of Freedom: Gripper roll, 0° or 90°; Camera Pan/Tilt - Mast Camera Height Range: 1.5" – 8" (3.8 cm – 20.3 cm) - Rugged: IP 65
Surveillance/Observation:	Accessories - RAE Systems MultiRae Pro Sensor - multi-threat monitor for VOC, O2, LEL, H2S, and CO detection. - Boson® longwave infrared (LWIR) thermal camera – Boson 640, 42mm, 18° FOV and Boson 640, 4.9mm, 95° FOV 4 built-in cameras – front, rear and side-facing - Adjustable exposure and gain - Pan, tilt and 8X digital zoom - Configurable video compression plus infrared sesnsor for illumination Integrated Deployment and Camera (IDAC): 270° adjustable mast camera angle, Visible light illumination, Three motorized pins - Size: 6.1" H x 4.5" W x 7.5" L (15.5 cm x 11.3 cm x 19.1 cm) - Weight: 0.8 lbs (0.36 kg) - Mast Camera Height: 6.1" (15.5 cm)
Control:	FirstLook is controllable from the uPoint® Multi-Robot Control system, featuring a touchscreen-based tablet controller that allows an operator to select from across the family of connected robots. FirstLook uses the MPU5 radio operating on the Wave Relay® MANET, to form a robust network in which robots, operators, and observers seamlessly operate together. Tactical, hand-held Operator Control Unit (OCU) with a built-in radio; Aware® 2 robot intelligence software (Legacy Information from 2014) - Size: 1.8" H x 9.3" W x 4.5" L (4.6 cm x 23.6 cm x 11.4 cm) excluding collapsible antenna - Weight: 2 lbs (0.9 kg) - Run Time: More than six (6) hours on average - Environmental: Rugged, water-resistant - LCD Sc reen: 5" (12.7 cm), 800 x 480 resolution - Intuitive graphic user-interface - Recognizes and enables accessory specific behaviors - Displays real-time video from multiple visible and NIR cameras - Displays robot and flipper orientation, communications signal strength, battery charge level, and system configuration details - Includes robot discovery /selection and help pages
Communication/Data Link:	The MPU5 radio operating on the Wave Relay® MANET, allows the robot to penetrate deeper into complex structures and further downrange than ever before. Legacy Information (from 2014): - Digital radio; Modular interface; Mesh networking capabilities - Default Frequency: 2.4 GHz - Optional Frequency: 4.9 GHz
Operating RC Bandwidth:	2.4 GHz, 4.9 GHz
Telemetry/Video Transmission Bandwidth:	2.4 GHz, 4.9 GHz
Navigation:	Autonomous behaviors and poses: Self-right, Lock/Deploy (with IDAC)
Navigation Method:	RC
Attachments/Accessories:	Accessory port facilitates integration of specialized cameras, thermal imagers, hazmat sensors, SLM, IDAC and charge deployment accessories. - Disruptors and the Firing Control System - accommodates recoilless disruptors, like the CDC CarbonFire 10. Uses a third-party firing circuit. - Consumables Kit - includes robot antenna, tracks, wheels, flippers, and more. - Joint Chemical Agent Detector (JCAD) Smiths LCD 3.3, Smiths Detection - MultiRAE, RAE Systems - Canberra Radiac, Canberra - Integrates: Weapon Thermal Monocular (WTM), L-3
Miscellaneous:	Export Regulations: EAR

PLATFORM STATUS

Price:	$20000.00
Price Comment:	approximate

Status:

Type	Date	Comments
Contract	03/07/2012	iRobot has announced that the Joint Improvised Explosive Device Defeat Organization (JIEDDO) has ordered more than 100 of the company's model 110 FirstLook robots. The robots ordered under the $1.5 million order have been delivered and will take part in an operational assessment this spring. (Source: Shephard Media)
Contract	02/28/2013	iRobot Corp., Bedford, Mass., was awarded a $14,424,220 firm-fixed-price contract. The award will provide for the procurement of FirstLook robotic systems, spare part kits and robot accessories. Work will be performed in Bedford, with an estimated completion date of Aug. 20, 2013. One bid was solicited, with one bid received. The U.S. Army Contracting Command, Warren, Mich., is the contracting activity (W56HZV-13-C-0124).
Maturity	11/15/2014	The US Army is pruning 40 percent of its ground robotics fleet, removing obsolete or excess robots before it goes to a single ground machine, according to Program Executive Office Combat Support and Combat Service Support (PEO CS&CSS). The Army plans to refurbish 1,477 of its ground robots, which is about 60 percent of the total fleet, said Michael Clow, PEO CS&CSS strategic communication lead. "After reset, current robots will be fielded to units to use as bridge capabilities until final programs of record are fielded, at which time the reset robots will be replaced by the program of record equipment," Clow said. The robots due for reset: 353 QinetiQ Talon IVs, of which 296 will go to Army engineers and 57 to the National Guard. 224 iRobot 510 FasTac Packbots. 219 Dragon Runner 10s by QinetiQ. 436 iRobot FirstLooks. 245 iRobot 310s. The Army's Robot Logistics Support Center at Selfridge Air National Guard Base in Michigan is conducting the reset.

REMUS 300 (Lionfish)

by: Huntington Ingalls Industries, Inc. (United States)

4 of 6

Domain: Maritime Subsurface
Type: UUV
Market Category: Civil, Commercial, Military
Application: Demining, Mine Clearance; Environmental Research or Monitoring; Explosive Ordnance Disposal; Survey, Mapping
Continent: North America
Countries: United States
Production Status: **Actively Marketed**
Additional Contractors: Hydroid, Inc. (United States)
Industry(s): Academic, Scientific; Defense; Energy, Oil & Gas; Environmental Research, Monitoring

Platform Website

Description:

REMUS 300 is Hydroid's newest small-class Unmanned Underwater Vehicle (UUV). Combining maximum flexibility with portability, the REMUS 300 is designed to meet a wide variety of mission needs. Key features include:
- 300 Meter Rated
- Two-Man Portable
- Modular & Reconfigurable
- Open Architecture
- Flexible Energy Options
- HYFleet Graphic User Interface with Simulator

Expand All

PLATFORM SIZE PROPERTIES

Length:	2.51 meters (2510.00 mm; 8.23 feet)	1.85 to 2.51 m depending on configuration
Width:	0.21 meters (207.00 mm; 0.68 feet)	diameter with 4.5 kWh battery; 0.19 m (0.63 ft) in other configurations
Height:	0.21 meters (207.00 mm; 0.68 feet)	diameter with 4.5 kWh battery; 0.19 m (0.63 ft) in other configurations
Weight:	68.00 kg (150.00 lbs)	with 4.5 kWh battery; 56 kg (123 lbs) with 3 kWh battery; 45 kg (100 lbs) with 1.5 kWh battery

PERFORMANCE PROPERTIES

Max Speed:	8.00 knots (14.82 km/hr; 9.21 mph)
Speed Comment:	with high-speed thrusters; 5 knots standard speed
Cruise Speed:	4.00 knots (7.41 km/hr; 9.21 mph)
Cruise Speed Comment:	3 to 4 knots typical speed
Maximum Range:	165.00 km; 102.50 miles
Range Comment:	with 4.5 kWh battery; 110 km with 3 kWh battery; 55 km with 1.5 kWh battery (expeditionary configuration)
Endurance:	30.00 hrs (1800.00 mins)
Endurance Comment:	with 4.5 kWh battery; 20 hrs with 3 kWh battery; 10 hrs with 1.5 kWh battery (expeditionary configuration)
Max Depth:	305.00 m (1000.00 ft)

POWER & PROPULSION PROPERTIES

Motor & Propulsion System:	Electric Motor, Propeller
Propulsion Comment:	Direct drive DC brushless motor, open 3-blade propeller; Cruciform fin control (yaw and pitch)
Energy Source:	Battery
Battery Type:	NiMh

PAYLOAD PROPERTIES

Camera:	2G Robotics 4K HD stills camera module
Lighting:	High intensity LED lightbar
Sonar:	- Marine Sonics Arc Scout Mk II, 1800 kHz Side Scan Sonar - Marine Sonics Arc Scout Mk II, 900 kHz Side Scan Sonar - Optional Gap Filling Sonar Klein MA-X gap filling sonar
Environmental Sensors:	NBOSI conductivity and temperature (CT) sensor; TE Connectivity depth sensor

NAVIGATION PROPERTIES

Positioning:	- Antenna: GPS, WiFi, Iridium, LED status lights and visible and infrared (IR) recovery locating strobe - Navigation: iXblue Phins C3 Inertial Navigation System (INS); Garmin commercial or optional GB-Gram Military GPS; Long Base- line (LBL); Doppler-assisted dead reckoning Emergency Localization: To assist with emergency localization and recovery operations, the UUVs can be equipped with emergency radio beacons, strobe lights and satellite communications. In the event of an emergency ascent, the position and status of the vehicle can be sent via the Iridium network to the operators and home base simplifying postemergency localization. If two-way satellite communication is enabled, a revised mission plan can be sent to the vehicle from anywhere in the world.

SURFACE EQUIPMENT

Transport Container:	Optional Anti-Shock Vehicle Cart Integrated into Shipping Case

OTHER PLATFORM PROPERTIES

External Communication:	- WHOI micromodem 2.0 acoustic communications - Communication and Tracking: Operators can monitor the UUV's progress and status via an acoustic link. This also enables amendments to the mission plan to be sent to the vehicle along with position updates if required. The Ranger positioning systems provide acoustic aiding to the on-board IMU and DVL equipment to make the realtime position solution as accurate as possible. When the UUVs are on the surface, they can communicate via Wi-Fi or radio with the operator. They are also equipped with GPS receivers to update the IMU position with the most accurate information available. - Antenna with Flasher - Optional: WiFi Communications; Iridium Communications; Surface Communications Station - External Connections: Gigabit ethernet; Vehicle power/charging (110/220V) - Tracking: Ranger & VIP software via towfish communications; Mission monitoring; Re-direct, loiter and abort commands
Control System:	- Software: REMUS Vehicle Interface Program (VIP) and HYFleet Graphic User Interface - Removeable 1 TB Hard Drive - Health Monitoring: All Hydroid UUVs have core systems designed to monitor the status and operation of essential components. Health monitoring includes batteries, motors, sensors and communications as well as conditions such as depth or water ingress. If an abnormality is detected, then an alarm is raised. During supervised missions this will be transmitted to the operator enabling them to decide if the vehicle should return from its mission. When the vehicle is operating autonomously, the response to an alarm is determined by the preselected response listed in the mission plan. This could include an emergency abort to preserve vehicle security.

PLATFORM STATUS

Status:

Type	Date	Comments
Delivery	02/11/2020	Hydroid said it has delivered the first REMUS 300 unmanned underwater vehicle (UUV) prototype to the US Navy through the Defense Innovation Unit (DIU). This new, modular UUV will be assessed over the next year as a potential solution for the next generation small-class UUV (SUUV) program for the Navy. As part of the prototype project agreement with DIU, Hydroid is working with the Navy on spiral upgrades to the commercial REMUS 300 to increase capabilities.
Contract	03/24/2020	The US Department of Defense (DoD) has moved ahead with efforts to introduce a new unmanned underwater vehicle (UUV) capability for the US Navy (USN) following the selection of two prototypes for further testing. The DoD's Defense Innovation Unit (DIU) awarded two separate contracts for industry to supply prototype UUVs and mission-specific payloads for USN evaluation under the Next Generation Small-Class UUV (SUUV) programme. This programme will provide a common baseline small UUV that could be easily configured to fulfil the requirements of several USN user communities. According to the DoD's fiscal year (FY) 2021 budget request, delivery of prototypes will occur within the second quarter of the FY. Flexibility in platform configuration, the ability to integrate third-party sensors, autonomy software, and variety in power sources were some of the desired attributes outlined by the DoD. Hydroid announced in February 2020 that it had delivered a prototype REMUS 300 UUV to the USN for evaluation under the SUUV effort.
Availability	04/19/2021	Huntington Ingalls Industries (NYSE:HII) announced today the commercial release of its REMUS 300 unmanned underwater vehicle (UUV). This new, open architecture, small-class UUV can dive to depths of 305 meters (1,000 feet) and has endurance options up to 30 hours.
Contract	05/26/2021	Huntington Ingalls Industries (HII) has received an order from the US Navy for the supply of two REMUS 300 unmanned underwater vehicles (UUVs). The company will deliver the vehicles in the middle of next year.
Contract	06/21/2021	The Royal New Zealand Navy has placed the first international order for four REMUS 300 unmanned underwater vehicles (UUVs). Huntington Ingalls Industries announced in a June 21 release. New Zealand has a fleet of six REMUS 100 UUVs that are used for mine countermeasures and underwater survey operations. The Royal New Zealand Navy has also used its REMUS vehicles for search and recovery, including locating the wreck of the Princess Ashika ferry in 2009 and assisting with the White Island volcano search effort in 2019. Designed for modularity and portability, the REMUS 300 can be reconfigured with a

ANNUAL SUBSCRIPTION AND LICENSING INFORMATION

	Individual Members + Non-Members	AUVSI Associate Members	AUVSI Standard and Premium Members	Custom License/Due Diligence Services
Access to all Domains	✓	✓	✓	✓
Subscriber Licenses	**1**	**10**	**All employees**	✗
Access per License	**Unlimited**	**Unlimited**	**Unlimited**	**Custom**
License Term	**1 year**	**1 year**	**1 year**	**Custom**
Export of Data	✗	✗	✗	**Custom**
Price (USD)	**$2,750**	**$2,750**	**Included in membership**	**Custom**

COMPARISON TO SIMILAR RESOURCES

USRD

9,100+ Uncrewed Vehicle Platforms

- ✓ Systems information database
- ✓ Component information
- ✓ Detailed information on capabilities
- ✓ Uncrewed vehicle focus
- ✓ Military systems
- ✓ Civilian systems
- ✓ Searchable interface
- ✓ Exportable information
- ○ Equipment handbooks

Janes

~800 Uncrewed Vehicle Platforms

- ✓ Systems information database
- ✓ Component information
- ✗ Detailed information on capabilities
- ✗ Uncrewed vehicle focus
- ✓ Military systems
- ✗ Civilian systems
- ✓ Searchable interface
- ✗ Exportable information
- ✗ Equipment handbooks

Shepherd

~1,400 Uncrewed Vehicle Platforms

- ✗ Systems information database
- ✓ Component information
- ✗ Detailed information on capabilities
- ✓ Uncrewed vehicle focus
- ✓ Military systems
- ✗ Civilian systems
- ✗ Searchable interface
- ✗ Exportable information
- ✓ Equipment handbooks

✓ included ✗ not included ○ in development

SELECT USERS

AUVSI LEADERSHIP AND RESEARCH TEAM

Michael Robbins
President & CEO

Heather Lee
Chief Operating Officer

Keely Griffith
VP, Strategic Programs

David Klein
Associate Director, Research

USRD

an AUVSI database

For further information or a product demo, please contact:

Companies #, A – P
Alex Mann
+1 571.482.3204
amann@auvsi.org

Companies S – Z
Wes Morrison
+1 571.255.7763
wmorrison@auvsi.org

3100 Clarendon Boulevard, Suite 1200 | Arlington, VA 22201 United States | Phone: +1 703.845.9671