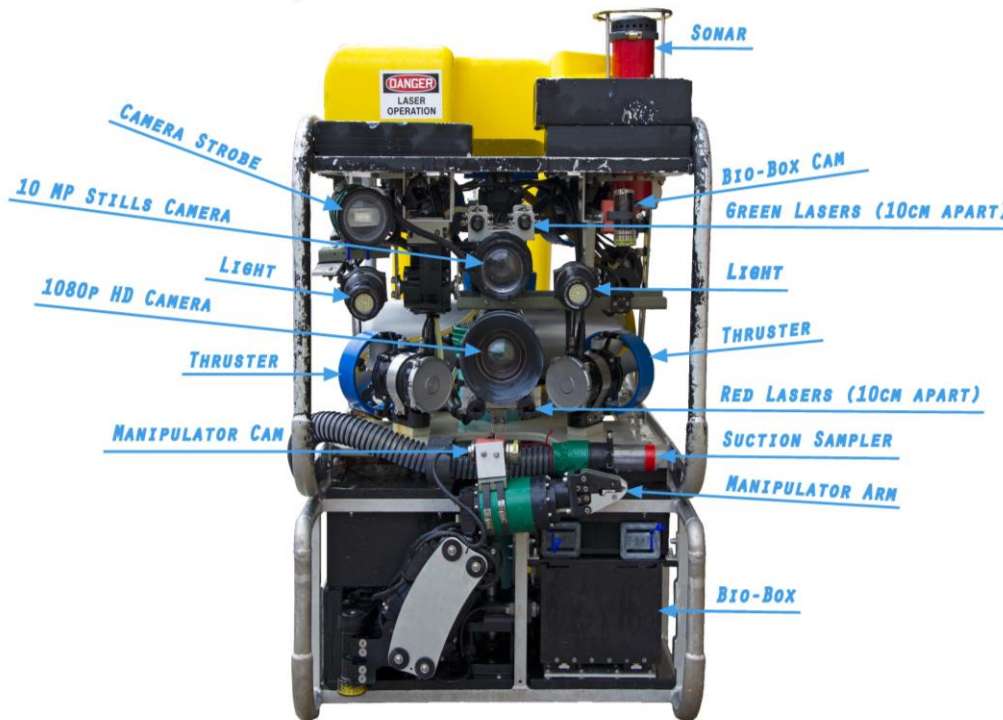


MOHAWK REMOTELY OPERATED VEHICLE (ROV)



MANUFACTURER: Sub-Atlantic-FORUM, Aberdeen, Scotland

DEPTH RATING: 300m (can be upgraded to 1000m)

PAYLOAD: 30kg

CAMERAS: Insite Pacific Mini Zeus II HD video camera 10x zoom, Kongsberg Maritime OE14-408 10mp digital still camera, 5x zoom, OE11-442 strobe with E-TTL metering

LIGHTS: 2 Deep Sea Power & Light 3100 LED dimmable lights – 3,700 lumens, beam angle 75 degrees, 6000K Temperature

LASERS: 2 Sidus SS501 50mW green (532nm) spot lasers & 2-50mW red lasers in precision mounted aluminum block

THRUSTERS: 4 horizontal CTE-01, 1 vertical CTE-01 with tandem props

SONAR: Imagenex 881 sonar

ALTIMETER: Tritech PA500/6-S

TETHER: 365m fiber optic

OVERLAY: depth, heading, altitude, number of 360° turns, date/time

NAVIGATION: LinkQuest Tracklink 1500HA, LinkQuest 1505b transponder, Trimble SP461 dual antenna GPS/Heading Receiver, Hypack software provides tracking and geo-referenced video and digital stills

COLLECTION CAPABILITIES: ECA Robotics 5 function all electric manipulator with opening/closing bio box. Reversible/variable speed pump for suction sampler with 5 rotating 2-liter buckets. SeaBird FastCAT 49 CTD. Collection skid designed by Harbor Branch Oceanographic Institute.

This ROV was purchased by the National Marine Sanctuary Foundation for the FGBNMS, and is operated and maintained by University of North Carolina Wilmington – Undersea Vehicles Program.