

MOHAWK REMOTELY OPERATED VEHICLE (ROV)

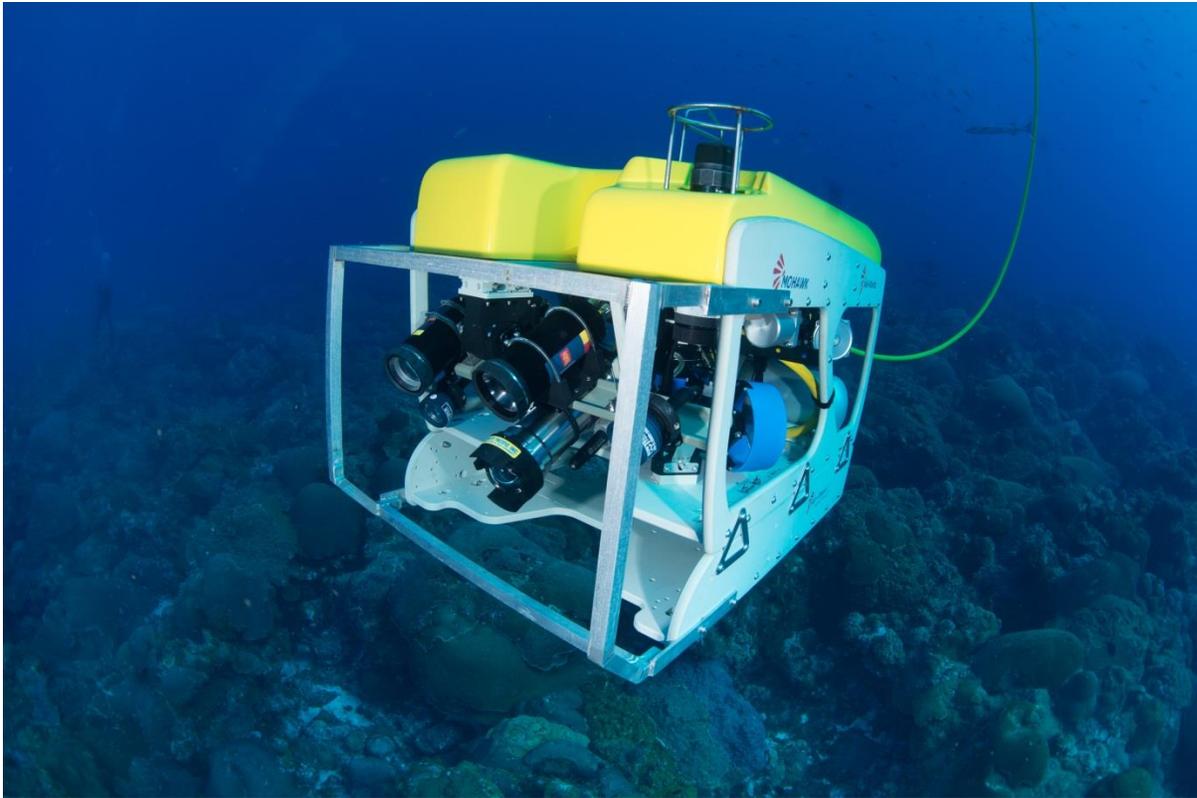


Image Credit: NOAA/FGBNMSIG.P. Schmahl

MANUFACTURER: Forum Engineering Technologies, Aberdeen, Scotland

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

PAYLOAD: 30kg

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

LIGHTS: 2 Bowtech 3200 LED dimmable lights – 3,200 lumens, beam angle 80 degrees

LASERS: 2 Sidus SS501 50mw green (532nm) spot lasers

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

MANIPULATOR: CSIP micro 5-function electric

SONAR: Imagenex 881 sonar

ALTIMETER: Trittech PA500/6-S

TETHER: 365m fiber optic

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

NAVIGATION: ORE trackpoint II, ORE transponder, KVH compass, Northstar 951x DGPS, Hypack software provides tracking and geo-referenced video and digital stills

COLLECTION CAPABILITIES: A custom collection carousel and open/closing storage box is in development by Harbor Branch Oceanographic Institution and will be available for use mid-2014.

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.

Contact UNCW-UVP directly to schedule use of the ROV.