

Schilling UHD[®] Heavy Work ROV Specifications



General

Weight in Air	Approximately 9,920 lbs (4,500 kg) depending on loadout
Dimensions (LxWxH)	9.83 x 6.08 x 6.00 ft (2.99 x 1.85 x 1.83 m)
Power Requirements	500 kW, 480 VAC, 60 Hz
Deck Space Required	Approximately 700 ft ² (65 m ²) for complete system
Operating Depth	13,125 fsw (4000 msw)

Vehicle Description

Propulsion	200 hp electro-hydraulic
Thrusters	4 x Horizontal (vectored) 3 x Vertical
Manipulators	1 x Schilling 7-function Titan 4, spatially correspondent 1 x Schilling 5-function RigMaster, rate controlled
Cameras	1 x Color CCD 18:1 zoom & 1 x color CCD fixed focus 1 x Schilling T4 color wrist camera
Lighting	4 x 10w HID and 10 x 250w incandescent
Navigation	Simrad MS 1000 sonar processor w/ 1071 digital head Paroscientific Digiquartz [®] depth sensor Workhorse Navigator DVS / altimeter & Crossbow DMU Precision navigation electronic compass StationKeep [™] dynamic positioning Heading, depth, altitude, displacement
Automatic Control Modes	30 hp electric HPU (isolated system)
Tooling Power	2 x Directional proportional flow & pressure
Tooling Valves (Spare)	5 x Directional proportional flow 10 x Solenoid operated rate valves

Offices

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Top-Hat TMS

Weight in Air	9,240 lbs (4,200 kg)
Tether Length	1,970 ft (600 m) standard loadout
Camera & Lighting	1 x Color zoom CCD w/ plan & tilt & 250 w incandescent
Sensors	Tether count & speed, docking latch open/closed, Paroscientific Digiquartz [®] depth sensor & Kongsberg altimeter

Launch & Recovery System

Winch	Dynacon model 521XL (modified)
A-Frame	Dynacon model 6022 (modified)
Main Umbilical	12,465 ft (3,800 m) armored

