



The Seaeye 600 DT can be used for observation, (platform) inspection, CP measurement, drill support, salvage assistance, small object recovery, survey operations and bottom profile measurement.

The vehicle is standardly equipped with two cameras (one low light black and white and one high-resolution colour) and a Kongsberg Simrad Mesotech sonar. Furthermore the vehicle can be equipped with survey equipment, CP probe and a single function manipulator.

Depending on the tasks the Seaeeye 600 DT can be used for high tidal activities.

- Apart from the vehicle itself, its equipment furthermore consists of:
- ▶ A 10 or 16 feet container equipped with video equipment, controller, umbilical winch and power supply
 - ▶ A launch frame

Data registration takes place by means of digital recording system. For review of the video images, high resolution monitors are available.



The Seaeeye 600 DT being prepared for an inspection.

Dimensions

Length over all	1000 mm
Width	760 mm
Height	580 mm
Weight	65 kg
Forward thrust	42 kg
Payload	12 kg
Lateral thrust	17 kg
Depth rating	300 m
Vertical thrust	14 kg

Onboard equipment

Camera 1	Relatively low light colour television camera with wide-angle lens fixed focus and auto-iris
Camera 2	High-resolution low light black and white camera
Camera tilt	160° of tilt
Lighting	2 x 150 W quartz halogen lamps, variable intensity and mounted on a tilt unit

Umbilical

Lifting umbilical used to launch and recover the vehicle.	
Sheathing	Thermo-Plastic-Rubber (TPR)
Diameter	17 mm
Weight in air	245 kg/km
Weight in seawater	21 kg/km
Break strength	8.3 kN
Length	300 m

Mountable launch frame

The mountable launch frame is used to launch and recover the vehicle.

Dimension in mounted position:

Work height	maximum 2.16 m
Weight	± 80 kg

Control container

The container is used as control station in which all surface equipment such as a digital video recording system, power supply, controller and umbilical winch has been built in.

Length	3.00 m (± 10 feet) or 4.88 m (± 16 feet)
Width	2.44 m (± 8 feet)
Height	2.59 m (± 8 feet)
Weight	4500 kg
Power required	380/440 V, 25 kVA stabilised power supply

Nautical and communications equipment

Compass Flux-gate compass with solid state rate sensor for enhanced azimuth stability

Depth sensor

Autopilot Fully automatic pilot is provided for heading and depth.



Control system 600 DT ROV.



ROV pilot in action.



All details are believed to be correct but not guaranteed.