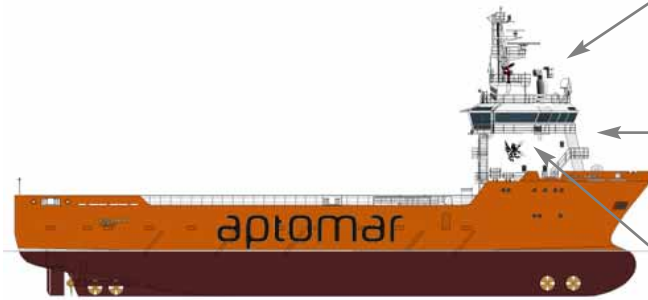




Technical specifications



POINTING UNIT



USER INTERFACE



SERVER UNIT

ACTIVE THERMAL IMAGER

Sensor type 640x512 InSb focal plane array
Wavelength 3.7-4.8µm response
HFOVs 22° to 1.7°

PASSIVE THERMAL IMAGER (optional)

Sensor type 640x480 Alpha Silicon uncooled (TEC-less) microbolometer
Wavelength 7-14µm response
HFOVs 12.2°

COLOR CAMERA

Sensor type Color CCD-TV
Resolution 582 line (PAL)
HFOVs 47.2° to 3.1°
Zoom ratio 16X (+10X D-Zoom)

USER INTERFACES

Industrial GNU/Linux Workstation
23.1" touch screen, 1600x1200
Two axis industrial joystick
Interface ethernet
Power 230 VAC, 500W

SERVER UNIT

Industrial GNU/Linux server
Size 290(W) x 88(H) x 221(D) [mm]
Weight 3 kg
Required Sensors and Interfaces:
• GPS (NMEA-0183)
• Compass (NMEA-0183)
• Motion Reference Unit (Simrad EM3000/EM1000, MRU Normal, Sounder, Submetrix, Hippy 120)
Optional Sensors and Interfaces:
• AIS (NMEA-0183)
Interface ethernet
Power 230 VAC, 300W

RADAR (optional)

Output power 12 kW
Horizontal Beam Width 1.9°
Antenna Dimension 1.2 m
N.M.Range 72 n.m

POINTING UNIT

Size 1100(H) x 1000(W) x 500(D) mm
Weight approximate 100 kg
Enclosure Anodized aluminium
Mounting requirements
• Rigid mounting surface
• Operation radius of 800 mm
• 230 VAC power supply
Power consumption max 2.4kW
Interface ethernet

SYSTEM PERFORMANCE

Compensates for vessel movement in 6 DOF (roll, pitch, yaw, surge, sway and heave)
Az. coverage ±190° continuous
Az. speed 90° / sec
El. coverage ±90° continuous
El. speed 100° / sec
Accuracy < 65 µrad

ENVIRONMENTAL

Enclosure Protection IP56
Operating temperature -40°C to 55°C