# SS 501 Soryu - 2009 Project S131, Harpoon IC

## Japan



Type: SSK - Hunter-Killer Submarine
Max Depth: -280 m
Max Speed: 20 kt
Commissioned: 2009
Length: 84.0 m
Beam: 9.1 m
Draft: 8.5 m
Crew: 65
Displacement: 2900 t
Displacement Full: 4200 t
Propulsion: 4x Kawasaki Kockums V4-275R Stirling AIP

Sensors / EW:
- J/ZLR-7 - ESM, ELINT, Max range: 926 km
- J/ZQQ-7 TASS - TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Thin Line Towed Array Sonar System, Max range: 129.6 km
- J/ZQQ-7 Bow - Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Search & Track, Max range: 74.1 km
- J/ZPS-6F - Radar, Radar, Surface Search & Navigation, Max range: 111.1 km
- J/ZQQ-7 Flank Array - Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 74.1 km
- Generic Acoustic Intercept - Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 66.7 km
- CM010 TV/EO Component - (1.5x/24x Zoom) Visual, Visual, Surveillance & Navigation TV Camera, Max range: 41.7 km
- CM010 LLTV Component - (2000s/2010s, 1.5x/24x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 41.7 km
- CM010 IR Component - (2000s/2010s, 1.5x/12x Zoom) Infrared, Infrared, Surveillance & Navigation Camera, Max range: 41.7 km
- CM010 QLR IR Component - (1x/2x Zoom) Infrared, Infrared, Day/Night Spherical Situational Awareness & Fire Control, Max range: 27.8 km

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Weapons / Loadouts:
- ZLQ-2B - (Acoustic Decoy) Decoy (Expendable). Subsurface Max: 1.9 km.
- UGM-84D Harpoon IC - (1986) Guided Weapon. Surface Max: 138.9 km.
- Type 89 [G-12] - (1991, 24nm, Dual-Use, Ex-G-RX2) Torpedo. Surface Max: 11.1 km. Subsurface Max: 11.1 km.