

SS 511 Oryu [Soryu-class] - 2020 Lithium-Ion Batteries

Japan

Type: SSK - Hunter-Killer Submarine

Max Depth: -280 m

Max Speed: 20 kt

Commissioned: 2020

Length: 84.0 m

Beam: 9.1 m

Draft: 8.5 m

Crew: 65

Displacement: 2900 t

Displacement Full: 4200 t

Propulsion: Electric Motor

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

Weapons / Loadouts:

- Generic Acoustic Decoy - (2000s, Noisemaker / Bubble Screen) Decoy (Expendable). Subsurface Max: 1.9 km.

- UGM-84L Harpoon II - Guided Weapon. Surface Max: 138.9 km. Land Max: 138.9 km.

- Type 89 [G-12] - (1991, 24nm, Dual-Use, Ex-GRX-2) Torpedo. Surface Max: 11.1 km. Subsurface Max: 11.1 km.