

## S 119 Astute - 2022

### United Kingdom

Type: SSN - Nuclear Powered Attack

Submarine

Max Depth: -300 m

Max Speed: 32 kt

Commissioned: 2022

Length: 97.0 m

Beam: 10.7 m

Draft: 10.0 m

Crew: 110

Displacement: 6500 t

Displacement Full: 7200 t

Propulsion: 1x Rolls-Royce PWR.2 Nuclear

Reactors

Sensors / EW:

- Type 1007 - (1988, KH 1007) Radar, Radar, Surface Search & Navigation, Max range: 177.8 km
- Type 2065 [Type 2076 Suite] - (1988, KH 1007) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Towed Array Sonar System, Max range: 185.2 km
- Type 2079 [Type 2076 Suite] - (Astute) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search, Max range: 74.1 km
- Type 2082 - (1994) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Passive Ranging, Max range: 27.8 km
- Type 2072 [Type 2076 Suite] - (Trafalgar, FMS 12, Type 2007 Replacement) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 129.6 km
- UAP-4 - (Astute) ESM, ELINT w/ OTH Targeting, Max range: 926 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:

- SCAD 102 - (Internal) Decoy (Expendable). Subsurface Max: 1.9 km.
- SCAD 200 - Decoy (Expendable). Subsurface Max: 1.9 km.
- UGM-109C Tomahawk Blk III TLAM - (1994, TT) Guided Weapon. Land Max: 1852 km.
- Spearfish Mod 1 - (2022) Torpedo. Surface Max: 11.1 km. Subsurface Max: 11.1 km.
- UGM-109E Tomahawk Blk IV TACTOM - (2008, TT) Guided Weapon. Land Max: 2963.2 km.

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