DDH 971 Gwanggaeto Daewang [KDX-1] - 2020 Performance Improvement Programme

South Korea

Type: FFG - Guided Missile Frigate

Max Speed: 30 kt

Commissioned: 2020

Length: 135.5 m

Beam: 14.2 m

Draft: 4.2 m

Crew: 286

Displacement: 3400 t

Displacement Full: 3885 t

Propulsion: 2x Sangyong 20V 956 TB82

Diesels, 2x General Electric LM-2500-30 Gas

Turbines, CODOG

Sensors / EW:

- MW.08 - (1991) Radar, Radar, Target Indicator, 3D Surface-to-Air & Surface-to-Surface, Max range: 88.9 km
- AR-700A(V)1 APECS II - (ASP-2000) ECM, OECM & DECM, Offensive & Defensive ECM, Max range: 0 km
- DSQS-21BZ [CSU 83, KAE 80] - (FF/DD) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 29.6 km
- AN/SPS-49(V)5 NTU - (FF/DD) Radar, Radar, Air Search, 2D Long-Range, Max range: 463 km
- AR-700A(V)1 - (ASP-2000, Assoc w APECS II) ESM, ELINT, Max range: 926 km
- K/SPS-95K - (1998, Korea, GPS-98K) Radar, Radar, Surface Search & Navigation, Max range: 200 km
- STIR 180 [Radar] - (Sea Sparrow) Radar, Radar, FCR, Surface-to-Air & Surface-to-Surface, Short-Range, Max range: 59.3 km
- STIR 180 [IR Camera] - (Sea Sparrow) Infrared, Infrared, Target Tracking and Identification Camera, Max range: 185.2 km
- STIR 180 [TV Camera] - (Sea Sparrow) Visual, Visual, Target Tracking and Identification TV Camera, Max range: 185.2 km
- SQR-250K - (FFG-818 Daegu) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Towed Array Sonar System, Max range: 129.6 km

---

Weapons / Loadouts:

- DAGAIE Mk2 LIR Flare - Decoy (Expendable). Surface Max: 1.9 km.
- DAGAIE Mk2 LEM Chaff - Decoy (Expendable). Surface Max: 1.9 km.
- 30mm Goalkeeper Burst [240 rnds] - Gun. Air Max: 1.9 km. Surface Max: 2.8 km.
- 127mm/54 HE-CVT [HiFrag] - (USN) Gun. Air Max: 2.8 km. Surface Max: 20.4 km. Land Max: 20.4 km.
- 127mm/54 HE-PD [HiCap] - (USN) Gun. Air Max: 2.8 km. Surface Max: 20.4 km. Land Max: 20.4 km.
- K-745 Blue Shark [Chung Sang Eo] - (South Korea, 2008, ASW, Chung Sang Eo) Torpedo. Subsurface Max: 5.6 km.
- RGM-84D Harpoon IC - (1986) Guided Weapon. Surface Max: 138.9 km.
- AN/SLQ-25 Nixie - Decoy (Towed). Surface Max: 1.9 km.

- RIM-7P Sea Sparrow - (1994) Guided Weapon. Air Max: 25.9 km. Surface Max: 25.9 km.