

HS-AD2-1a Kyntaqo (Surveyor)

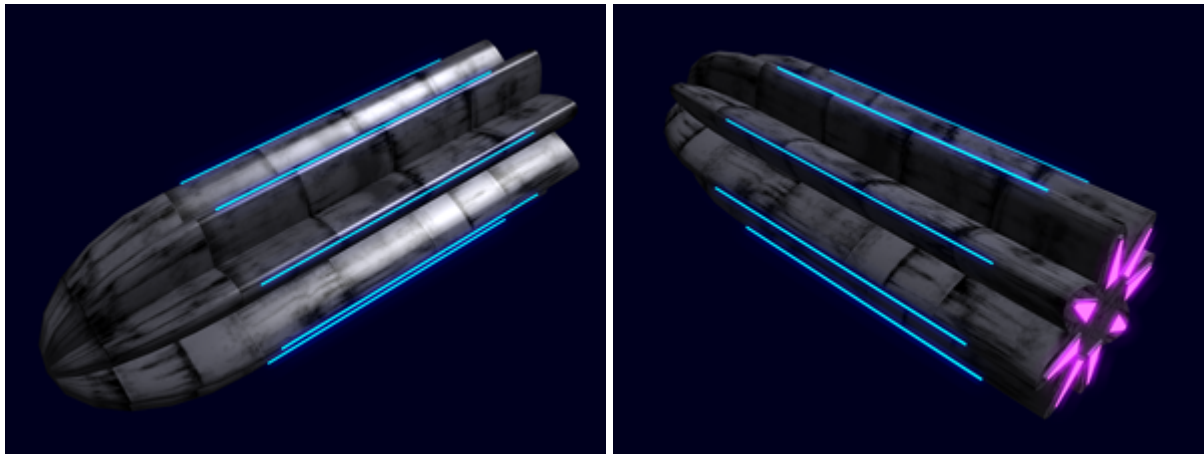
The Surveyor is an autonomous probe typically launched by an [HS-SE1-1A Ismâo'a \(Searcher\) - Class Ship](#) when in a star system. This model came into service (755 CY, YE 36).

About the Kyntago

Each Kyntago or Surveyor has uses [Tinvymai Tyokame \(Plasma Drives\)](#) and an [Heim Force Generator](#) for propulsion. They are equipped with electronics and standard surveillance equipment. Typically they are deployed prior to a system being hunted or gathered. They can also be used to perform search operations for lost personnel or ships.

The Kyntago is capable of in system operations as well as planetary ones. Typically the Kyntago is configured for specific missions.

The Kyntago uses standard clan technologies. Prior versions were salvaged and replaced with the HS-AD2-1a. It has a fairly robust control system, which includes protocols for escape, evasion and if necessary destruction.



History

The Kyntaqo have been in use within the clan since they first started exploring space. Over the years, the subsystems have been refined and new ones added. The prior version came into use back in 725 CY. With the changing social and political environment the [Otâmovi Wiy Jael \(Silver Moon Sect\)](#) was charged with developing the newest version in 753 CY.

Apperance

The Kyntago is roughly a tapered cylinder. It consist of eight fins that contain the sensors. Each fin has a

plasma drive in it.

Kyntaqo (Surveyor)	
Nomenclature:	HS-AD2-1a
Type:	Probe
Class:	Multirole
General	
Designers:	Otâmovi Wiy Jael
Manufacturer:	Otâmovi Wiy Jael
Price:	1,500 OW
Dimensions	
Length:	1 meters (3.28 feet)
Width:	.3 meters (.984 feet)
Height:	.3 meters (.984 feet)
Performance	
Atmospheric	
Min speed:	0
Cruise speed:	2,143 kph (1,332 mph)
Maximum speed:	6,125 kph (3,806 mph)
Space	
Min speed:	0
Maximum speed:	74,948 kilometers per second) (~46,570 miles per second)
Occupancy	None
Systems	
Propulsion:	Tinvymai Tyokame Heim Force Generator
Power	Âmanus Tyokanorjopa
Control	Jodau Fiqorka

General

- Class: Kyntaqo
- Nomenclature: HS-AD2-1a
- Type: Probe
- Designers: [Otâmovi Wiy Jael \(Silver Moon Sect\)](#)
- Manufacturer: [Otâmovi Wiy Jael \(Silver Moon Sect\)](#) on [Poku Movi Vamâqi \(Clan Void Berth\)](#)

Crew and Accommodations

Crew: 0

Dimensions

Length: 1 meters (3.28 feet) Width: .3 meters (.984 feet) Height: .3 meters (.984 feet)

Propulsion and Range

Speeds

The Kyntaqo a very nimble drone.

- [Tinvymai Tyokame \(Plasma Drives\)](#)
- Class 2A Maximum speed .25c (~74,948 kilometers per second) (~46,570 miles per second)
- [Heim Force Generator](#)
- Atmospheric: Cruise: 2,143 kph (1,332 mph) Maximum: 6,125 kph (3,806 mph)

The Kyntago carries enough fuel to power the probe for 30 days, without recharging.

Destruction

Every Kyntago has a destruct device to keep it from being captured or tampered with.

Recovery

A Kyntago will return to its deployment point

1. upon completion of survey
2. recalled by the [HS-SE1-1A Ismão'a \(Searcher\) - Class Ship](#)
3. detection of a significant threat

Systems



HS-AD2-A755/00 Armor Construction

The Kyntago is built with a 🤖 [Monocoque](#) construction of [Mâqirây \(Bound Metal\)](#). Panels are incorporated which allow access to internal areas for repair and configuration.

HS-AD2-C755/00 Control

A [Jodau Fiqorka \(Module Brain\)](#) provides the operating control system for the drone. Fully capable of completing its mission autonomously, it can be updated by the controlling vessel.

HS-AD2-P755/00 STL

Eight miniature [Tinvymai Tyokame \(Plasma Drives\)](#) provide the necessary propulsion for in system travel.

HS-AD2-P755/01 Grav

Equipped with [Heim Force Generator](#) the Kyntago is capable of operating in a planetary environment safely.

HS-AD2-G755/00 Power System

The Kynatgo is fitted with a [Âmanus Tyokanorjopa \(Anti-Hydrogen Reactor\)](#) powered [Gean Norjopa \(Generator\)](#). It contains enough fuel to operate the probe for 30 days without refueling.

In the forward section of the probe a [Akko Fiqsaal Pojuk'te \(Matter Collecting Coil\)](#) is fitted to resupply. Normally during refueling operations sensor operation is limited to essential systems only.

HS-AD2-R755/00 Communications

The Kyntago is equipped with the following communication systems.

- [Meson Communications](#)
- [Radio](#)
- [Subspace](#)

Sensors

The Kyntago is equipped with a core group of sensors and is fitted with three other sets of sensors. The additional sensors are installed in pairs for redundancy and comparison.

HS-AD2-E755/00 Core Sensors

Ranging

Scan type: Active/Passive

- Light Detection And Ranging (LIDAR)
- Laser Detection and Ranging (LADAR)
- Range of 5 light seconds

Tracking

Scan type: Active

This sensor system consists of an array of RADARs that have oscillating frequency to help improve resolution by allowing the system to re-tune to get a better image. The RADAR also has a variable pulse repetition frequency (PRF) which is used for when the system goes from search mode to targeting. The RADAR can operate in rotating or sweep mode. It can lock onto and track up 1,000 objects.

- Range 10 light seconds

HS-AD2-E755/01 Imaging Sensors

Scan type: Passive

These sensors are used to gather information on stellar objects from long range.

- Deep space telescope
- Ultraviolet spectrograph
- Infrared spectrometer
- Gamma ray detection
- Magnetic resonance
- Electromagnetic imaging scanners

HS-AD2-E755/02 Planetary Sensors

Scan type: Active

This sensor array is designed for provide geological data.

- 📡 **Ground penetrating radar** which can be used to image through rock, soil, ice, fresh water. It can detect objects, changes in material, and voids and cracks. Range is 10 kilometers.
- The ore scanner uses a quantum transducer to send an energy field out in a 60° arc. The scanner then analyzes the phase shift of the reflected energy to identify ores. Range: 10 kilometers.

HS-AD2-E755/03 Life Sensors

Scan type: Passive

This is a larger more powerful version of the [Ousmygo Mâbor'a \(Life Energy Sensor\)](#), that allows the craft to detect and identify various life forms within range. This sensor has different functions and ranges. It has all the functions of the [Ousmygo Mâbor'a \(Life Energy Sensor\)](#) but at ten times the range.

HS-AD2-E755/04 Gravimetric Sensors

Scan type: Passive

These sensors can detect gravitational energy, forces and distortions.

- Range 1 AU.

HS-AD2-E755/05 Emission Sensors

Scan type: Passive

This sensor is designed to detect different types of energy emissions.

- Electromagnetic - this sensor can detect and identify EM signals, providing, the wavelength, frequency, and signal strength. It can also be set to locate the source of the emission.
- Ionizing Radiation - this sensor can detect and identify the following particles: alpha particles, beta particles, and neutrons. Detects radiation on the short wavelength end of the electromagnetic spectrum namely ultraviolet, x-rays, and gamma rays. In addition to identifying the type of radiation it can determine the level present.
- Light Spectrum - this sensor can detect and identify light ranging from infrared through the visible spectrum and ultraviolet. It can be set to scan for a particular band of light, or to identify what bands of light are present, and how strong.

HS-AD2-S755/00 Stealth Shield (Optional)

The Kyntago can be fitted with a [HS-SS1-E739/03 Anoka Degon'te \(Stealth Shield\)](#) for stealth operations.

Other Images



From:

<https://wiki.starmy.com/> - **STAR ARMY**

Permanent link:

https://wiki.starmy.com/doku.php?id=faction:hidden_sun_clan:ships:hs_o2_surveyor

Last update: **2023/12/21 04:22**

