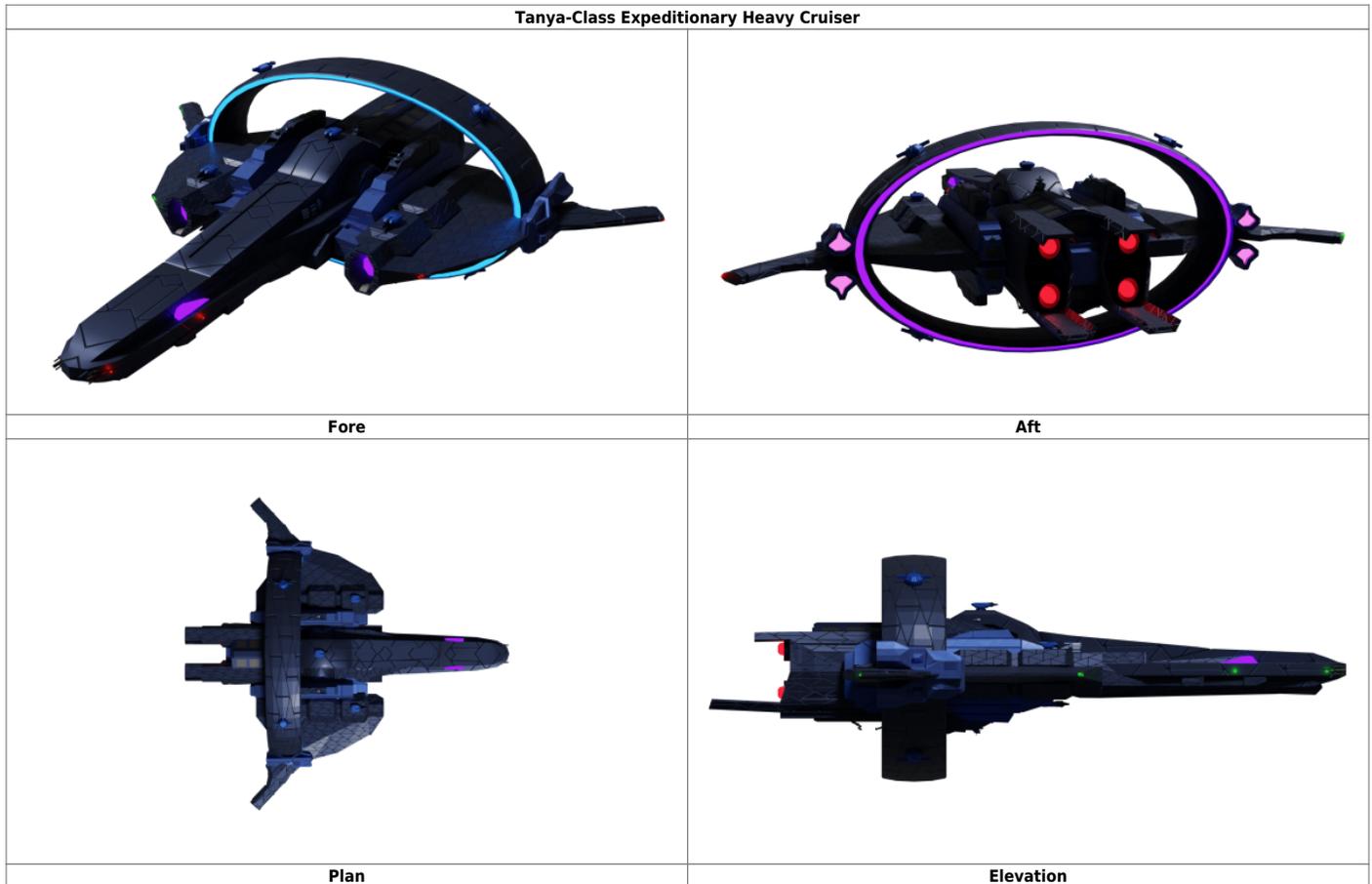


# Tanya-Class Expeditionary Heavy Cruiser

The Tanya-Class Expeditionary Heavy Cruiser is a civilian exploration vessel produced by the [Yugumo Corporation](#). Development began in [YE 42](#), and the first was produced in late [YE 44](#).



## History and Background of the Tanya-Class

In [YE 42](#), the [Yugumo Corporation](#) once again began to produce ships for the civilian market. Under the mandates set by [Ketsurui-Motoyoshi Katsuko](#) and [Motoyoshi-Igarashi Yuka](#), the new ships were to capture the adventurer spirit of the citizens of the [Yamatai Star Empire](#). Using lessons learned from the prototype deployment of the economical, fast, and long-range/long-duration operations capable [Misha-Class Explorer](#), the path to a larger-scale expeditionary vessel became apparent.

With the [Kuvexian War](#) in full swing and the [Star Army of Yamatai](#) consumed with defending the astral territories of the [Yamatai Star Empire](#), it left open the thrill of exploration, pioneering, and adventure in the [Kikyo Sector](#) up to private citizens and [Corporations](#). Customers, of course, are encouraged to avoid war-affected or dangerous regions. The ship plays a general role as a heavy Explorer-Class ([YX](#)) ship but fits multiple roles and is easily converted into a palatial home in the stars for business or pleasure.

Economical consideration was placed into the design, including refurbished and rebuilt parts from part stockpiles and salvage from the former [Motoyoshi Fleet Yards](#) produced ships, especially the [Amaterasu-](#)

**Class Cruiser.** There was additional design inspiration from the [Ayame-class Cruiser](#) and its predecessor, the [Qel'noran Shipyards Integrated Strike Force Battleship](#), as well as the [Takumi-Class Expeditionary Command Cruiser](#) and [Amatsuotome Expeditionary Command Cruiser](#). As the Tanya-class is the largest and most ambitious ship produced by [Yugumo Fleetworks](#), [Osman Heavy Industries](#) consulted on significant portions of the design and architecture, due to their experience with capital ship design such as the [Hephaestus Class Industrial Vessel](#).

## Description

The Tanya-class is classified as an Expeditionary Heavy Cruiser. It is designed to be capable, self-sufficient and powerful to serve as a fleet command ship or frontier exploration vessel. It can just as easily serve as a luxurious mansion among the stars.

## Mission Specialization

This ship is ideal for fulfilling the following mission profiles.

1. Unsupported deep space exploration
2. Fleet command, control, and support
3. Mobile commercial or industrial platform
4. Ultra-luxury residential or hospitality

## Appearance

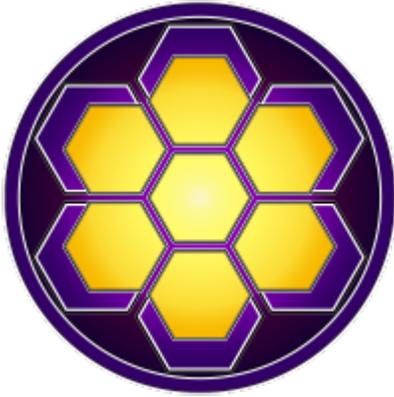
Sharing much in common with the [Amaterasu-Class Cruiser](#) platform on which it is based, the Tanya-Class Expeditionary Heavy Cruiser has [Yugumo Fleetworks latest maritime design theme](#) and [Yūzuki \(夕月, "Evening Moon"\)](#) hull texture and color superimposed atop it for a ship with a commanding presence that seems very agile for its size. Perhaps its most striking feature is the enormous, elliptical [docking ring](#) around its stern, supported by the nacelle pylons.

## Statistics and Performance

The Tanya-Class Expeditionary Heavy Cruiser is a powerful, economical addition to any Yamataian Fleet. A vessel truly built for those few civilians that not only seek the thrill of adventure, but also at a scale of which most others wouldn't dream.

## General

General Information for the Expeditionary Cruiser.



<b>General Statistics for the Tanya-Class Expeditionary Heavy Cruiser</b>	
<b>Year Introduced</b>	YE 44
<b>Type</b>	Expeditionary Heavy Cruiser
<b>Class/Nomenclature</b>	Yu-C1-1a
<b>Designers</b>	Yugumo Fleetworks, Osman Heavy Industries
<b>Manufacturer</b>	Yugumo Corporation, Jiyuu System
<b>Brand</b>	Yugumo Fleetworks
<b>Fielded By</b>	Yugumo Corporation and Yamatai Star Empire
<b>Range</b>	Unlimited
<b>Maintenance Cycle</b>	Every 5 Years
<b>Lifespan</b>	50 Years of Continual Use
<b>Base Price</b>	3,578,000 KS
<b>With Chairman Package</b>	22,362,500 KS
<b>Umikagami Aquatic Package</b>	+436,000 KS Factory, +654,000 KS Retrofit

Like all [Yugumo Corporation](#) designs, any sales outside of the [Yamatai Star Empire](#) are adjusted to be sold without weapons. In such a case, the weapon mounts are still present on the ship and the customer is welcome to outfit the vessel themselves.

The Tanya-class is not capable of landing on a solid surface due to its [docking ring](#), but is capable of maneuvering in an atmosphere or even submerged in or on the surface of a liquid. It relies on [shuttles](#), [transports](#), and [frigates](#) to maintain physical contact with the ground.

## Passengers

**Crew:** Due to automation, only one operator is required, but there are stations for a full complement. There are typically 8 officers to cover all of the stations in a single watch, in addition to the captain, and support crew as needed. Overall there is space for about 500 crew maximum, to include mission specialists, although the ship generally operates with far fewer.

**Maximum Capacity:** There are accommodations for up to about 2500 people, mostly passengers with crew included. Emergency evacuation accommodations for up to 20,000 are available with reasonable hygiene comforts, although about 250,000 people maximum can fit aboard in an extreme emergency, leaving the ship extremely cramped with little to no room for cargo or vehicles.

## Dimensions

- **Length:** 1000 meters ( $\approx$ 3,275 feet)
- **Width:** 750 meters ( $\approx$ 2,480 feet)
- **Height (docking ring):** 380 meters ( $\approx$ 1,270 feet)
- **Height (main hull):** 210 meters ( $\approx$ 690 feet)
- **Decks:** [see below](#)

## Propulsion and Range

In compliance with the [Starship Speed Standard](#):

- [Mizu II Series "Umi" Continuum Distortion Drive](#): 0.01c to 16,500c ( $\approx$ 1.85 ly/h)
- [Yumeoibito - Max Hyperspace Fold Drive](#): 262,980c (0.50 ly/m)
- [Hoshi III Series Multi-stage Turbo Plasma Drives](#): 0.275c

## Damage Capacity

See [Damage Rating \(Version 3\)](#) for an explanation of the damage system.

- Hull: Tier 13 (Light Capital Ship)
- Shields: Tier 13 (Barrier)

## Docking Ring

Taking a cue from the [Ayame-class Cruiser](#) and [Amatsuotome Expeditionary Command Cruiser](#), the Tanya-Class features an elliptical docking ring capable of supporting four frigates, generally intended to be [Misha-Class Explorer](#), but a wide variety of similarly-sized ships are compatible. Generally, the docking ring's gravity is always towards the center of the ship, no matter what angle. Entry into the main body of the ship is at either side of the ring where it connects. Traffic is routed around the entrance coming from above, relative to the ship's orientation, and admitted from below, also relative. A gentle, curving hyperbolic path transitions smoothly from the two gravitational directions, making it similar to walking down a shallow hill, then upwards at the inflection point halfway. The gravity in the docking ring is adjustable separately from the rest of the ship, to facilitate cargo handling with a zero-gravity environment. To further ease the loading and unloading of cargo to and from docked ships, many of the cargo-handling features found in the [cargo bays](#) are also found in the docking ring's transit deck.

The four ports are at 45° angles from the horizontal plane of the ship, above and below. They feature a [Scalable Graviton Beam Projector Array](#), gripping fingers, and an electromagnetic seal, all working together to guide smaller precisely into position and hold them snugly to the ring. Flexible extensions from the grippers interface with most ships' airlock doors and provide stairs, ramps, cranes, and lifts to embark, disembark, and load and unload.

## Hyperspace Fold Array

The geometry of the docking ring allows for an optimized placement of apparatus relating to the [Hyperspace Fold Drive](#), giving the ship a very fast [Hyperspace Travel](#) for its size.

## Wingtips

The winglike structures on the port and starboard ends of the ship are the 🇨🇭 [Swiss Army knives](#) of the Tanya-class. They conceal multiple systems for emergency use. Each section may extend a retractable solar panel array, 🇨🇭 [solar sail](#), antenna array, or radiator.

## Wingtip Docking Module

The Tanya is part of a docking module that allows it to connect to other, compatibly-equipped ships in order to act like a “bridge” between them, wearing them like nacelles. Extensions of the [transverse route of the transit system](#) are opened to allow transportation to and from the connected ships.

## Inside The Ship

The Tanya-Class is a massive ship, roomy and spacious inside so that it is more like a small city than a vessel.

## Deck Layout

Some decks are only partial-length.



- Crew Decks are 5m
- Transit Maintenance Decks are 5m

- Transit Decks are 10m
- Engineering Decks are 15m
- Small Craft Hangar Decks are 15m
- Cargo Decks are 20m

The “wings” of the ship past the [transit station](#) are simply [maintenance conduits](#) to access the [CDD](#) system, sensor arrays, and any wing-mounted weaponry and their [magazines](#). Only the thickest part of the wing structures closest to the main body contain any crew deck space.

The dome at the top of the ship straddles the mid and stern sections, and is an observation deck and sensor dome four decks high with a lounge at the top. The [Admiral's Suite](#) is on the lower two levels, facing aft. It also contains sensor arrays around the perimeter, between windows.

## Standard Deck Features

- [Escape pods](#), [emergency lockers](#), and [emergency sound-powered telephones](#) are present in abundance on every deck, including the hangar pods and docking ring. Other [security features](#) are present where appropriate as well.
- Other safety equipment such as panic buttons, [intercoms](#), [fire extinguishers](#), [AEDs](#), eyewash stations, and safety showers are readily accessible on every deck.
- Public toilets and water fountains, vending machines, and [housekeeping closets](#) are ubiquitous and conveniently accessible on every deck.
- [Lifts](#) are convenient and easy to access, strategically and thoughtfully placed to efficiently and thoroughly cover the entire ship, while minimizing wait times. There are also stairs and ramps, both general use and emergency, as appropriate to the purpose of the deck.
- Multilingual signage, both physical and [volumetric](#), are conspicuously and frequently posted, clearly marking compartments, features, and directions at every intersection. There are information kiosks with interactive displays as well. A personalized guide may be projected on the floor to help individuals find their way, and also have alert and emergency modes. Sectors of the ship have color-coded recognition-aid features.
- [Magazines](#) are fully automated and only accessible via [maintenance conduits](#) and their loading ports, irrespective of what deck they are on, as are the [weapons systems](#) themselves.
- [Maintenance conduits](#) crisscross every deck, and between decks, parallel to the main [passageways](#). In populated areas they have inconspicuous entrances.

## Dome

Dome	
Deck	Compartments
<b>D1</b>	<a href="#">Observation Lounge</a>
<b>D2</b>	<a href="#">Observation Deck</a>
<b>D3</b>	<a href="#">Observation Deck</a> <a href="#">Admiral's Suite Upper</a>

<b>Dome</b>	
<b>Deck</b>	<b>Compartments</b>
<b>D4</b>	Observation Deck Admiral's Suite Lower Admiral's Guest Suites

**Main Body**

<b>Upper Bay</b>			
<b>Deck</b>	<b>Compartments</b>		
<b>BU</b>	Dorsal Large Craft Bay Upper Flight Tower Access		
<b>Public Facilities Decks</b>			
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>	<b>Stern</b>
<b>01</b>	Offices VIP Suites	Arboretum Overstory	Greenhouse Upper
<b>02</b>	Offices VIP Suites Passenger Residential	Arboretum Upper Canopy	Greenhouse Middle
<b>03</b>	Offices Library Upper Passenger Residential Educational Facility Upper	Arboretum Lower Canopy	Greenhouse Lower
<b>04</b>	Offices Library Middle Passenger Residential Educational Facility Middle Auditorium and Theater Mezzanine	Arboretum Understory	Volumetrics Recreation Complex
<b>05</b>	Library Lower Passenger Residential Educational Facility Lower Auditorium Theater and Upper Level	Arboretum Shrub Layer	Community Room Public Gym Public Baths
<b>06</b>	Tavern Auditorium and Theater Lower Level	Arboretum Floor	Central Cafeteria Central Kitchen Central Laundry
<b>Upper Transit</b>			
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>	<b>Stern</b>
<b>TU</b>	Upper Transit Bow Station	Upper Transit Hub Station	Upper Transit Stern Station
<b>MU</b>	Upper Transit Maintenance		
<b>Medical and Science Complex</b>			
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>	<b>Stern</b>
<b>07</b>	Medical Administration MSC Conference Rooms	Medical Bay Complex Upper Chief Medical Officer's Office	Laboratory Complex Upper Chief Science Officer's Office

<b>Upper Bay</b>				
<b>Deck</b>	<b>Compartments</b>			
<b>08</b>	MSC Educational Unit Upper	Medical Bay Complex Upper Middle		Laboratory Complex Upper Middle
<b>09</b>	MSC Educational Unit Lower MSC Multipurpose Room	Medical Bay Complex Middle		Laboratory Complex Middle
<b>10</b>	MSC Dining Facility MSC Foodservice Facility MSC Laundry Facility	Medical Bay Complex Lower Middle		Laboratory Complex Lower Middle
<b>11</b>	MSC Officer Quarters MSC Lounge MSC Wellness and Fitness Center	Medical Bay Complex Lower		Laboratory Complex Lower
<b>Central Transit</b>				
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>		<b>Stern</b>
<b>TC</b>	Central Transit Bow Station	Central Transit Hub Station		Central Transit Stern Station
<b>MC</b>	Central Transit Maintenance			
<b>Operations Decks</b>				
<b>Command and Fleet</b>				
<b>Deck</b>	<b>Bow</b>	<b>Amidships Fore</b>	<b>Amidships Aft</b>	<b>Stern</b>
<b>12</b>	Pilot's Lounge Pilot Quarters	Conference Room Classroom Recreation Room	Admiral's Ready Room Fleet Conference Room	Fleet Command Center Mezzanine Level
<b>13</b>	Captain's Stateroom Command Lounge Captain's Ready Room	Bridge	Mission Operations Center Command Conference Room	Fleet Command Center Lower Level
<b>Crew</b>				
<b>Deck</b>	<b>Bow</b>	<b>Amidships Fore</b>	<b>Amidships Aft</b>	<b>Stern</b>
<b>14</b>	First Officer's Stateroom Officer Lounge Officer Quarters	Power Armor Bays, Port/Starboard Conference Room Classroom	Recreation Room Volumetrics Chamber	Officer Quarters
<b>15</b>	Lounge	Wardroom Galley and Scullery Dining Hall	Dojo Gymnasium Multipurpose Room	Bath House
<b>16</b>	Crew Quarters	Power Armor Bays, Port/Starboard Conference Room Classroom	Recreation Room Volumetrics Chamber	Crew Quarters
<b>17</b>	Crew Quarters	Power Armor Bays, Port/Starboard Conference Room Classroom	Recreation Room Volumetrics Chamber	Crew Quarters

<b>Upper Bay</b>			
<b>Deck</b>	<b>Compartments</b>		
<b>18</b>	Security Barracks	Power Armor Bays, Port/Starboard Conference Room Classroom	Recreation Room Volumetrics Chamber Security Barracks
<b>Security Decks</b>			
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>	<b>Stern</b>
<b>19</b>	Security Lounge Security Dojo Security Gym	Power Armor Bays, Port/Starboard Security Station Upper Level	Armory Brig Weapons Parts Storage
<b>20</b>	High Security VIP Suites Security Chief's Office	Power Armor Bays, Port/Starboard Security Station Lower Level	KAIMON Chamber Auxiliary Bridge
<b>Lower Transit</b>			
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>	<b>Stern</b>
<b>TL</b>	Lower Transit Bow Station	Lower Transit Hub Station	Lower Transit Stern Station
<b>ML</b>	Transt Maintenance		
<b>Engineering Decks</b>			
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>	<b>Stern</b>
<b>E1</b>	Chief Engineer's Office Engineering Conference Room Engineering Lounge	Fabrication Facility Upper	Engineering Upper
<b>E2</b>	Power Armor Repair Bay	Fabrication Facility Middle	Engineering Middle
<b>E3</b>	Drone Launch, Port and Starboard Drone Storage Drone Repair Bay	Fabrication Facility Lower	Engineering Lower
<b>Orlop Transit</b>			
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>	<b>Stern</b>
<b>TO</b>	Orlop Transit Bow Station	Orlop Transit Hub Station	Orlop Transit Stern Station
<b>MO</b>	Orlop Transit Maintenance		
<b>Cargo Decks</b>			
<b>Deck</b>	<b>Bow</b>	<b>Amidships</b>	<b>Stern</b>
<b>C1</b>	Cargo Bay One		
<b>C2</b>	Cargo Bay Two		
<b>C3</b>	Cargo Bay Three		Frigate Drydock
<b>Lower Bay</b>			
<b>Deck</b>	<b>Compartments</b>		
<b>BL</b>	Vehicle Garage Frame Bay Large Craft Bay Lower Flight Tower Access		

## Hangar Pods

There are four small craft bays, upper and lower, port and starboard. Hangar decks are 15m and the flight deck has a 6m bay door. Lower bays are inverted, with the launch deck and deck one at the bottom, and port and starboard bays are mirrored. They have otherwise identical layouts. The two upper and lower bays to either side share a [transit deck](#).

Upper Hangar Pod		
Deck		Compartments
S1	P1	Flight Deck, <a href="#">Launch Elevator</a> <a href="#">Observation Pod Access</a>
S2	P2	<a href="#">Small Craft Hangar</a> <a href="#">Launch Elevator</a>
S3	P3	<a href="#">Small Craft Hangar</a> <a href="#">Launch Elevator</a>
S4	P4	<a href="#">Small Craft Maintenance and Repair</a> <a href="#">Launch Elevator</a>
Hangar Transit		
TH		<a href="#">Hangar Transit Station</a>
MH		<a href="#">Hangar Transit Maintenance</a>
Lower Hangar Pod <sup>1)</sup>		
Deck		Compartments
S5	P5	<a href="#">Small Craft Maintenance and Repair</a> <a href="#">Launch Elevator</a>
S6	P6	<a href="#">Small Craft Hangar</a> <a href="#">Launch Elevator</a>
S7	P7	<a href="#">Small Craft Hangar</a> <a href="#">Launch Elevator</a>
S8	P8	Flight Deck, <a href="#">Launch Elevator</a> <a href="#">Observation Pod Access</a>

## Docking Ring

The docking ring has two decks, an outer 10m transit deck and an inner, 5m maintenance deck.

Deck	Compartments
TD	<a href="#">Ring Transit Station Upper Port Docking</a> <a href="#">Ring Transit Station Port Hub</a> <a href="#">Ring Transit Station Lower Port Docking</a> <a href="#">Ring Transit Station Lower Starboard Docking</a> <a href="#">Ring Transit Station Starboard Hub</a> <a href="#">Ring Transit Station Upper Starboard Docking</a>
MD	<a href="#">Ring Transit and Hyperspace Fold Array Maintenance</a>

## Compartment Descriptions

The descriptions below are for a single instance of a particular compartment. There may be only one, or several of any given one.

### Admiral's Suite

As the Tanya-Class was designed with the role of being an expeditionary fleet command vessel, it has provisions for an admiral or commodore, who is in charge of the fleet but not concerned with the day-to-day operation of the ship as the captain would be. To that end, it has a large luxury apartment two decks tall to house such a personage. It has ready access to the ship's [Fleet Command Center](#), with a private [lift](#) just for the occupant. The suite has its own private [laundry](#) as well. Two [VIP Suites](#) are adjacent for the occupant's family or personal guests.

### Upstairs

Upstairs is the master bedroom. There is a Yamataian-style washroom, featuring separate shower, steam-room, and soaking tub with whirlpool jets. A spacious walk in closet has a built-in wardrobe and vanity. It has entrances from both the bedroom and washroom, and features gear storage. A multifunction all-in-one exercise unit is cleverly out of the way, and there is a large entertainment system built in to the ceiling and wall, with a sitting area and library around it.

### Downstairs

Downstairs is the reception foyer, office, and lounge. The reception foyer has a desk for an assistant to screen visitors, and a waiting room with comfortable seating, art, and entertainment. Behind that is a lounge with a full bar and kitchen used as the living quarters. There is an office with a pair of assistants desks in a separate room before the main office.

### Admiral's Ready Room

An office that sits off to the side of the [Fleet Command Center](#), it is the private office of the ship's resident fleet commander. In addition to a desk with computer terminal and guest chairs, there is a sitting area, kitchenette, mini-bar, and a private head and shower. The Ready Room is accessible from the [Fleet Command Center](#) and by private [lift](#) from the [Admiral's Suite](#).

### Arboretum

On the upper level of the main body of the ship, towards the middle, just below and fore of the domed section topped by the [observation deck](#), the arboretum is a sprawling chamber that truly highlights the

massive size of the Tanya class. The enormous roof's armored panels can retract to allow a view through the [Transparent Durandium](#) ceiling.

The arboretum is a well-manicured nature park with walking trails winding among the trees, shrubs, and flowers, benches, water fountains and toilets, picnic shelters, and gazebos. Lighting and sprinklers simulate the day-night cycle and rain for the trees and other plants. In the standard version, there are koi ponds with foot bridges across them, rock gardens, and other Yamataian touches.

Like the [transit decks](#), the port and starboard sides of the arboretum are lined with fountains, toilets, and vending machines, and room for other amenities such as snack bars and retail kiosks. Upper tiers of the arboretum's port and starboard sides are surrounded by mezzanines, with the fore and aft sides the balconies of the rooms overlooking the arboretum.

## Armory

The Tanya-Class features a [Shiori Style Standard Armory](#), albeit a very large example of one.

## Airlocks

Most airlocks aboard the Tanya-Class are [Forcefield-Nested Isolation Doors](#). Their force-fields have a semipermeable setting that allows massive objects such as ships and power armor through, but retain atmospheric pressure by preventing lighter gases from escaping.

## Auditorium and Theater

Used for classes, training, and briefings, as well as for concerts, plays, and other entertainment, the auditorium is amphitheater-style with long, shared, semicircular desks, comfortable chairs set in tiers, and an elevated stage at the focus. There are entrances at the bottom and top of the of the auditorium, and in the backstage area. Backstage there is ample space for storage and working and there are a pair of green rooms with lighted vanity mirrors and their own showers, toilets, and lockers. The public address, sound system, lighting, and projectors are state of the art.the

## Auxiliary Bridge

An updated version of the [MFY Type 30 Auxilary Control](#) to be compatible with [KAIMON](#), this highly-secure room has redundant-failover power and life support completely disconnected from the main systems on the ship. It is capable of all ship operations, if not as efficiently as the main bridge.

## Bath House

The Tanya-Class has two spaces for the communal bathing prevalent in [Yamataian Culture](#):

When a Tanya-Class is commissioned, for the crew bath house, there is a choice between the default traditional-Yamataian-style [Onsen](#), similar to the [Star Army Onsen](#), styled like a natural hot springs, or an [Elysian-style Thermae](#) with its *frigidarium*, *tepidarium*, *caldarium* and *laconicum*, from coolest to hottest, respectively.

The Public Baths, are, by default, similar to municipal public baths seen throughout Yamataian space, but can be more ornate in one of the styles above, or entirely custom, depending on the time and expense allowed.

## Bridge

Despite the large size of the Tanya Class, the [Yugumo Standard Bridge](#) is more than sufficient for all operations. As the ship may be theoreticaly, albeit inefficiently, operated by one individual, itself a marvel of automation, not many bridge crew are required.

## Brig

The [brig](#) features a bench with a rail for attaching restraints for short-term detention, with an open shower and head, and a water fountain. Windows made of [Transparent Durandium](#) look in on holding cells that are for longer-term occupancy, with floor drains, spartan bunks featuring restraints, and sink/fountain/toilet combos.

## Captain's Stateroom

This luxurious stateroom, near to the bridge, is designed for comfort, entertainment, and convenience. It features a Yamataian-style washroom, featuring separate shower, steam-room, and soaking tub with whirlpool jets, it occupies a corner of the space, cutting the room into an L-shape. The small end of the L is a walk in closet with wardrobe and vanity. It has entrances from both the bedroom and washroom, and features gear storage. At the crux of the L is a kitchenette and breakfast nook, with small, angled canopy bar with full back and stools on the opposite corner, while the entrance at the long side of the L opens into a foyer and sitting room with couches and [Coffee](#) tables huddled around a simulated fireplace. Beyond it, before the kitchenette and private [laundry room](#), is a well-appointed office alcove with a desk and chair with computer terminal for conducting business without leaving the stateroom. The wall between the office alcove and the soaking tub is mostly a large aquarium. Across from the desk, a multifunction all-in-one exercise unit is cleverly out of the way in another alcove. On such a large ship, it's more than the average [Yugumo Standard Shipmaster's Cabin](#).

## Captain's Ready Room

An office that sits off to the side of the [bridge](#), it is the private office of the ship's commanding officer. In

addition to a desk with computer terminal and guest chairs, there is a sitting area, kitchenette, mini-bar, and a private head and shower. The Ready Room is accessible from the [bridge](#) and the [Captain's Stateroom](#).

## Cargo Bay

Each cargo deck is a [Yugumo Standard Cargo Bay](#), albeit on a massive scale.

## Conference Room

These rooms feature long tables with luxurious chairs. There is projection, presentation, and telepresence equipment here for almost any purpose.

## Classroom

The classroom is a state-of-the-art learning center designed to incorporate multiple volumetric interfaces and media as well as virtual reality for enhanced visualization. The integrated projection system allows the entire structure of the room to become the medium for presentations, remote viewing of music and art performances and even attendance to various classroom environments at different academies across the [Yamatai Star Empire](#).

## Crew Quarters

Based on the [MFY Type 30 Standard Enlisted Bunkroom](#), but slightly larger, the Crew Quarters have been upgraded with [Type 40 Bunk Beds](#) in the [Deluxe Three Bunks, Desk, and Drawer/Wheels](#) configuration that face each other from across the narrower dimension of the room. Each desk is connected to a [Ge-T8-E3103 - Computer Array](#) as well as the ship's systems, and below each one is a [footlocker](#). Each cluster of crew quarters has its own [laundry facilities](#) and [communal showers and latrines](#). Though there is space for six individuals, generally only two are assigned to a room, with the usual maximum being four.

## Dining Hall

Based on the [MFY Type 30 Standard Enlisted Dining Hall](#), the dining hall is adjacent to the [galley](#) and [wardroom](#). It is large enough for more than half of the crew to eat at once, comfortably. The entire crew complement can squeeze inside if necessary but it would be very cramped.

## Dojo

A large, open area for practicing various martial arts and dance, the dojo is a dedicated space for no other purpose. The floor of the dojo is a smooth, slightly slick surface, but there are mats in storage to cover the entire area. Three sides of the dojo area are mirrored, offering viewpoints to ensure correct form. The non-mirrored sides have racks for weapons and other equipment.

## Drone Launch

Towards the nose of the ship are launch bays for probes, satellites, and other generally-torpedo-shaped drones. Inside is a system of racks, gantries, and conveyors similar to those in the [magazines](#) to load the drones into one of the vertically-stacked [Variable Launch Tube](#) banks.

Examples of compatible drones include "[Whisker](#)" [Sensor Drone](#), [Sensor Cruise Missiles](#)<sup>2)</sup>, the [Mining Probe](#), [Remote Medical Drones](#), and the EM-O2 "[Houmen](#)" [Communication Satellite](#) and EM-O3 "[Hirakeru](#)" [Communication Satellite](#) in their launch tubes. There is ample storage for the various payloads available.

## Drone Storage

Racks of [Yugumo Standard Anthroform Drone Berth](#) and their matching storage cabinets line the walls of this bay, with a catwalk mezzanine accessible by stairs and [lifts](#) giving a second story for more capacity. There are also racks for storing spare parts and accessories, as well as smaller, non-anthroform drones. There are also [docking stations](#) for charging [repair drones](#).

On a [Yugumo Corporation](#) vessel, the [berths](#) contain [Consorts](#), standard [security](#), and [general-purpose](#) drones.

## Drone Hives

Several hexagonal prisms rise from floor to ceiling, their sides covered in hemispherical sockets that each house a [KAIMON/Ascendant Companion](#) for quick charging and diagnostics. Internal systems allow the installation and removal of their various [attachments](#).

## Engineering

Similar to, but larger and more modern than, the [MFY Type 30 Warship Engineering](#) on which it is based, Engineering takes up a large portion of the aft of the ship, in front of the engines, and is no less than three decks of triple-height high.

The upper compartment houses the [Mizu II Series - Nami II CDD](#) Control Systems and the [Yumeoibito Hyperspace Fold Drive](#) as well as other critical systems of the craft. The lower deck of the Engineering compartment houses storage tanks for water and several other systems related to the environmental and life support systems of the ship. Between them are the [Kaminari Quantum Foam Generators](#) and backup [Tsuyosa Series Matter-Antimatter Reactor](#). Gantry cranes and a [Scalable Graviton Beam Projector Array](#)

assist moving. There are lockers for storing personal protective equipment, first-aid supplies, tools, and spare parts, and a locker and shower room (as well as emergency showers and eyewash stations).

There are stairs and lifts that lead to the decks above and below in this compartment.

## Escape Pod Banks

Many of the ship's escape pods ([see below](#)), are arranged in mass banks. They are along both sides of nearly every deck, all along the length of the ship, and contain more than enough to evacuate everyone accommodated aboard, with excess capacity to spare. Certain areas, such as residential sections and other heavily populated parts of the ship, have more dense banks than others, while some areas such as the docking ring, have them more sparsely. In general, everyone aboard is less than a minute's desperate dash from a bank of escape pods, assuming the way is clear.

## Fabrication Facility

Based on the [Ionoche Automated Fabrication Facility](#), but modernized and updated, the centerpiece of the Fab, as it is called colloquially, is a [Star Army Fabrication Chamber, Type 39](#). It includes a [Civilian Synthesis Reactor Module](#) and a backup [Aether generator](#) for emergency use.

## First Officer's Stateroom

Similar to, but smaller than, the [captain's stateroom](#), this spacious, comfortable suite also features an office for the First Officer, and its own [laundry facilities](#). Rather than near the bridge, it is close to, but separate from, the other [officer quarters](#). On a ship the size of a Tanya, the First Officer's Stateroom is more like a [Yugumo Standard Shipmaster's Cabin](#) on a smaller vessel.

## Fleet Command Center

Like the [Fleet Information Center](#) on the [Ascendancy-class Flagship](#), the Fleet Command Center of the Tanya-class is for coordinating and managing the other ships accompanying the Tanya on expeditions.

Powerful [volumetric projectors](#) allow realtime, four-dimensional visualization of the fleet's mission space. Terminals and consoles for the analysis of intelligence, sensor data, and fleet ship systems dominate the room along with dedicated communications equipment for direct lines to their bridges.

## Flight Tower

Overlooking the [hangar pods](#) and [large craft](#) bays, the flight towers coordinate traffic entering, leaving, and maneuvering around the ship. There is one each above and below the center of the ship for the [large](#)

[craft bays](#). They have 360-degree viewports, as well as access to the sensors, computers, and communications needed to perform their function. The one on the bottom of the ship is not a “tower” proper, as one descends it to reach the control center at the bottom. Smaller observation pods above the upper and below the lower [hangar pods](#) provide small-craft traffic control.

## Frame Bay

The ventral Large Craft Bay contains the Tanya-Class' Frame Bay, which is used to store and maintain the ship's complement of frames and other mecha. It is capable of holding even very large mecha and their equipment, and has the facilities to perform maintenance and repair on them. Frame pilots have a briefing room, lockers, and showers located in the bay.

## Frigate Drydock

At the bottom stern of the ship is a set of [grappling arms](#) and [graviton beam arrays](#) to maneuver a small starship into place and hold it securely. Immediately above are the [repair facilities](#) for deploying workers and drones to repair the grappled ship.

## Galley and Scullery

The ship's [galley](#) offers a variety of cooking stations for various cuisines, such as stoves and ovens, microwaves, food preparation areas, and temperature-controlled refrigerator, freezer, and pantry storage. There are sinks and dishwashing machines in the attached scullery.

## Greenhouse

Much larger than its counterpart on the [Misha](#), there is the expectation that the ship would one day lead colony fleets from the [Motoyoshi Colonial Sector](#).

A greenhouse complex designed for the growing of [fruit](#) and [vegetables](#), it includes sprinkler systems, advanced temperature control systems, modified spectrum lighting, and storage areas for fertilizer, soil, and seeds. It was designed with possible survival situations in mind to provide fresh food. The facility is capable of traditional soil-based agriculture, as well as [Hydroponics](#) or [Aeroponics](#), as well as [Aquaponics](#) for the production of fish and seafood. As some customers may want to garden [flowers](#) or other ornamental plants for hobby purposes, there is a dedicated viewing area for them at the entrance of the greenhouse complex.

## Guest Cabin

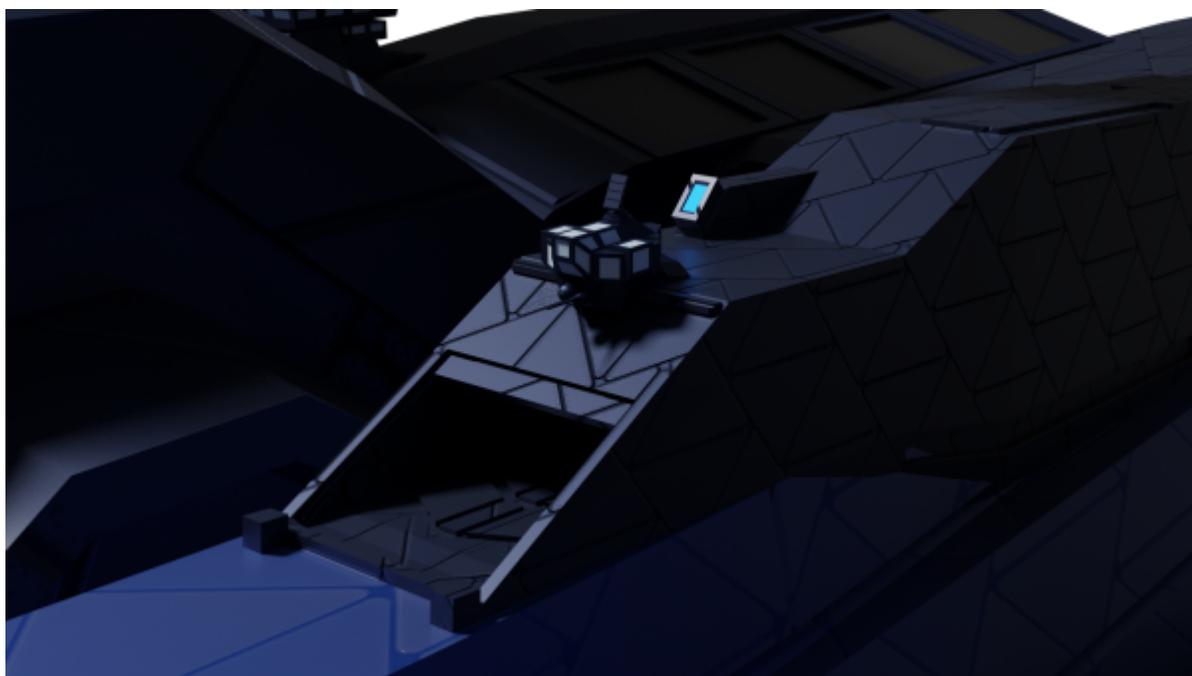
The guest cabins are highly customizable. Each suite provides a spacious bedroom, a corner “L” seat, a desk, a closet, and a shower and head bathroom attached. Customers can choose from a variety of bed

styles, from Nest-style to bunk beds for the children. In some cases, these rooms can be modified into offices or other uses depending on the needs of the customer.

## Gymnasium

Featuring a complement of state-of-the-art workout machinery as well as more traditional equipment, the gym's locker room also features a communal shower and head, a sauna, a steam room, massage tables, a whirlpool hot tub, and a therapeutic soaking tub.

## Hangar Pod



Located in the pods at the aft half of the ship, the hangar pods contain all of the facilities to store, maintain, and launch the Tanya's complement of small craft. There are four pods, with one set on the dorsal side of the ship and the other on the ventral, whose layout and gravity is inverted. Each pod has a flight deck located at the top, with a launch elevator leading to it and [observer pods](#) to help coordinate takeoffs towards the fore and landings from the aft. Located below <sup>3)</sup> the flight deck are two 15m hangar decks and below those a deck dedicated to maintenance and repair. Finally, a transit deck is located between the dorsal and ventral hangar pods on either side of the ship, connecting the pods and containing a transit station for the shipwide tram system. As with the docking ring, the pathway into the transit deck from below is a gentle, hyperbolic slope to make a gentle transition to its gravitational direction. Rotating “lifts” in the shared floor between the upper and lower pods have their own, independent gravity deck on both sides allow for ships and cargo to be transported between the upper and lower bays by flipping 180° along the fore-aft axis.

The launch catapult bay is 15m wide by 6m tall, and the elevator 18m wide and 35m long

## High-Speed Transit



Given that the docking ring of the ship has a circumference of nearly 2.5km, and the ship itself is a kilometer long and three-quarters of one at its widest, the need to [move people](#) and cargo around the ship quickly, safely, and efficiently was paramount. Similar to the system aboard a [Kisaki](#) or [Amatsuotome](#), a [Monorail](#) [Maglev](#) system operates aboard the Tanya-Class. It is based mostly on the [High-Speed Rail at Nemesis Bastion](#).

There is a [transit station](#) at each of the four docking ports of the ring, one at either end of the ship fore and aft, one each port and starboard at the points where the docking ring tracks intersect the transverse ones, and a large, central one in the center where the fore-aft and port-starboard lines meet. The two lines in the main body of the ship are in the vertical center on Deck 20. Each line features two sets of tracks, allowing one tram to move in each direction. While the ones in the main body of the ship travel back and forth, in the docking ring, one always goes clockwise and the other counterclockwise around. Each transit station features a maintenance area for extra cars to be stored and maintained and damaged cars to be repaired.

A car is generally 15 meters long, and four wide, and three high if enclosed. The largest cargo cars are 20m long and five wide, in order to accommodate an [SSCC-Huge](#) Passenger cars are comfortable and enclosed, while cargo cars are flatbed for carrying [Standard Starship Cargo Containers](#) or palleted skids. The system has a normal, safe operating speed of about 30km/h, but in an emergency can nearly triple that.

In general, the transit system takes up its entire deck, but there is plenty of room to either side for seating areas, standing room, and walking paths, as well as [autowalks](#) traveling in both directions. Besides water fountains, toilets, and vending machines, there is generally room for other amenities such as snack bars and retail kiosks, making transit stations social hubs aboard the ship, even though wait times aren't generally for more than a few minutes.

## KAIMON Chamber

The KAIMON Chamber is a secured and locked chamber in which the [KAIMON-Super Gate](#) Core is housed. Access is limited to the ship's owner and authorized personnel.

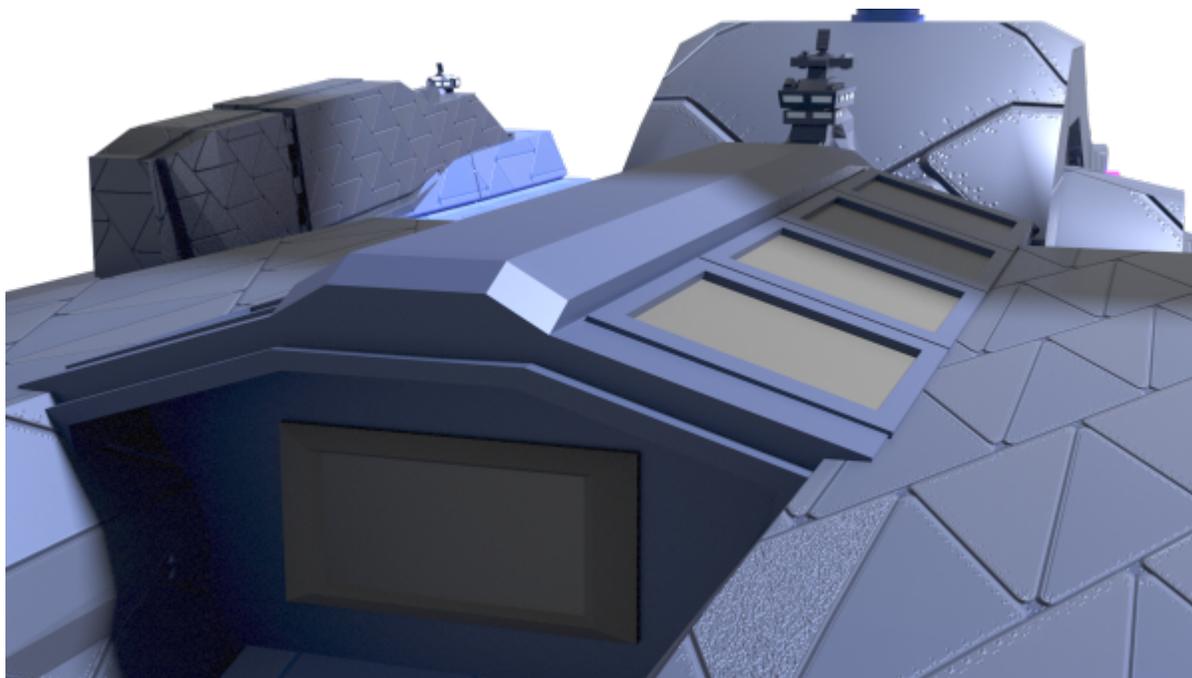
The chamber contains an [Yugumo Standard Anthroform Drone Berth](#) to accommodate the ship's [KAIMON/Ascendant Consort](#) avatar it may opt to use instead of a [volumetric projection](#).

## Laboratory

As an exploration vessel, the Tanya-class's laboratory complex is very large, even for a ship its size, comprising several wings across multiple decks roughly sorted by scientific discipline. In addition to essential science equipment such as microscopes, centrifuges, and a fume hood, burners, glassware, and other paraphernalia, there are more specialized equipment such as [mass spectrometers](#),

[nanoscopes](#), [electron microscopes](#), and even more exotic scientific apparatus. Each unit in the laboratory is similar to a [Star Army Combined Sciences Laboratory](#).

## Large Craft Bay



Meant to be as much a very fast, miniature starbase as a vessel, it is very common for craft larger than shuttles but smaller than starships to come and go to and from a Tanya-class. To that end, at the top and bottom of the sternmost section are larger hangars, their aft-opening and vertically-opening bays overseen by the flight control towers. The upper and lower bays are connected by cargo elevators, and also to the cargo bays themselves. While the dorsal bay is primarily dedicated to non-operations activity, such as day-to-day traffic and nonmilitary shuttlecraft, the ventral bay is primarily dedicated to operations activity, and contains the ship's Vehicle Garage and Frame Bay. Each vertical bay in the Large Craft Bay is connected by the bay's transit hangar, which serves to allow craft entering through the aft-opening hangar door to be navigated to their assigned position. The ventral large craft bay has a similar reversed-gravity system setup to the [hangar pods](#), with the hyperbolic entrance and independent-gravity rotating [lift](#) setup to allow easy transitions between the two gravity directional planes.

The 41m maximum-vehicle-height bay has a 30m wide by 15m tall entrance to the stern. There are eight spots in each bay, and each one has a vertical launch opening 25m wide by 30m deep.

## Laundry

Both based on the [MFY Type 30 Standard Laundry Facility](#), there are the large laundry facilities used by ship's housekeeping, and smaller ones for individual use by the crew. All feature are washing and drying machines as well as tables for folding or stacking clothing and other linens.

## Library

A symbol of the Tanya-class's exploration mission and the knowledge it brings, the ship features a large library. Not only row after row of tall shelves of books, with old-style wheeled ladders for accessing those out of reach, the library also contains state-of-the-art multimedia equipment, exceedingly comfortable seating and ample table space, and private reading rooms, soundproofed and broken off from the main section. There are dedicated places to display art, both on the walls and in alcoves, as well as display diases on the floor of the library itself.

## Lift

Lifts aboard the Tanya-class are similar to, and compatible with, [the ones used by Star Army vessels](#). there are larger lifts for cargo, and even larger ones still for small craft in the hangar bays.

## Lounge

The lounge is a comfortable room with plenty of [Transparent Durandium](#) observation windows, a bar, and ample, comfortable seating in couch, booth, and table formats. There is a small stage and dancefloor, a sound system, and projectors and screens for entertainment.

## Magazine

Located near each weapons array is a [Yugumo Standard Magazine](#) that services the nearby weapons with automated loading.

## Maintenance Conduit

Similar to [those on Star Army Ships](#), the conduits crisscross the vessel, linking [passageways](#) and decks all around the ship.

## Medical Bay

Taking inspriation from the [Hospital and Medical Laboratory Complex](#) of the [Ascendancy-class Flagship](#), and [Takumi-Class Expeditionary Command Cruiser](#), the Tanya-Class's medical bay isn't just large for the average ship, it's large for the massive Tanya. It is a fully-functional trauma center and medical research lab, capable of everything from routine checkups, to complex surgeries, to dentistry, mental health, and physical and occupational therapy, it rivals a [Star Army Standard Hospital Center](#) in capability. With offices for a full complement of healthcare staff, waiting rooms, examination rooms, laboratories, and operating rooms, it has everything one would expect from a large hospital, but with somewhat less bed space for inpatients as individual cabins can suffice for non-critical care. There are fully-automated

medical systems such as the [ATMC](#) with its [Ke-J1-E3301 - Autonomous Configurable Medical Unit](#) unit and components and [Treatment and Examination Bed](#).

## Mission Operations

Featuring displays of every time, embedded in the walls and tables, the mission operations room is off of the bridge. It is replete with communications and intelligence equipment, with desks for analysts and communications officers. The room is intended for real-time monitoring and intelligence gathering for any missions such as planetary away teams or small-craft operations.

## Multipurpose Room

A large, open room with storage spaces for configurable, removable dividers, the Multipurpose room has a stage and bleachers that fold down for the walls. It may easily be configured for various sports, parties, dances, and other social gatherings.

## Officer Quarters

Based on the [MFY Type 30 Standard Officer's Cabin](#), officers and many mission specialists have their own cabins with ensuite toilet and shower/bath. Each cluster of officer quarters has its own [laundry facilities](#).

## Office

The innumerable business responsibilities of modern leader means that they be able to perform their duties from anywhere, at any time. An executive office with a semicircular desk, featuring every technological convenience and advantage available dominates the end of the room farthest from the door. Its luxurious arm chair faces off against a trio of lesser chairs across the desk's surface, for face to face meetings. Another desk is off to one side, not quite as impressive, but equally as comfortable and perhaps more well-appointed from a technology and control systems standpoint.

Closer to the door, a pair of smaller desks with less ostentatious chairs face each other, requiring anyone entering the office to walk between them. Every desk is outfitted with a computer terminal. To one side of the office is a kitchenette, and on the other, a conference chamber with an oval table, eight chairs, and a state of the art telepresence and teleconferencing suite. One wall is dominated by a great aquarium.

## Observation Deck

Deck One consists of the top level of the large dorsal pod in the Tanya-class's design, taking a cue from the continuing the architectural language of the [Misha-Class Explorer](#), albeit on a much more massive

scale. It is dominated by a large observation lounge with panoramic views through [Transparent Durandium](#) windows that can be revealed by retracting the armored dome that covers it. Depending on the customer, different chairs and seating arrangements are available and a dance floor, swimming pool, or hot tub can be installed upon request. There is a staircase and [lift](#) that lead down to the lower decks of the ship here. Like the [Yūgure-class Merchant Destroyer](#), the Tanya-class has a briefing theatre structure in the observation lounge with chairs and a [Volumetric Display](#).

## Passageway

The corridors on the ship are around five meters wide and tall each, and lined with [Yugumo Standard Housekeeping Closets](#), [Yugumo Standard Damage Control Alcoves](#), [Yugumo Standard First Aid Lockers](#), [Yugumo Standard Armory](#), and [Yugumo Standard Survival Lockers](#). They are well-lit and monitored by security cameras.

## Power Armor Bay

Located in the pods in the aft-most section of the ship, port and starboard, power armor storage bays hold racks for the storage of power armor and their weapons such as the [Yoru no Tenshi 'Tenshi II' Light Mechanized Power Armor](#). Each bay has its own launch airlock, mission briefing room, locker room, and showers, as well as a small maintenance bay and office for the technician in charge. Equipment and systems are compatible with the [Standard Star Army Power Armor Bay](#).

## Recreation Room

Full of comfortable couches, gaming and hobby tables, and electronic entertainment, the recreation room is a spacious, yet cozy, room for the crew to unwind between shifts.

## Security Station

The security station has the security chief's office, a monitoring station, and a reception desk and waiting area. There are lockers, showers, a lounge with kitchenette and entertainment, and a briefing room for the security team. It is adjacent the [armory](#), [weapons parts storage](#) and [brig](#), guarding access to those sensitive areas.

## Shower Room

Based on the [MFY Type 30 Standard Enlisted Bath House](#), communal showers are located around the ship, especially near the [crew cabins](#), [gymnasium](#), [dojo](#), and [power armor bay](#), and at the entrance to the [Bath House](#).

## Tavern

Usually patterned after a traditional Yamataian 🍷 [Izakaya](#), the tavern, separate from the lounge, is one of the hearts of the ship. It has its own kitchen and scullery, public toilets, and, most importantly, a large bar with plenty of room to stock libations.

## VIP Suite

VIP Suites are similar to the [captain's stateroom](#). though without as much long-term storage space. They are well-decorated, luxuriously comfortable, and thoughtfully positioned within the ship to afford both privacy and accessibility to conveniences.

## Vehicle Garage

Although the Tanya-class cannot land, it has ample garage space for storing, maintaining, and repairing a substantial fleet of ground vehicles. The large garage is located in ventral large craft bay. Cranes, ramps, and conveyors facilitate the efficient and effortless loading of even fairly large vehicles onto large vehicles onto dropships and larger shuttlecraft that are also kept in the bay.

## Volumetrics Chamber

Similar to the [volumetrics room](#) on a [Plumeria-class \(2E\) Medium Gunship](#), this room's walls, ceiling, and floor are all [Volumetric Windows](#) coated with anti-scuff coatings, and the [Volumetric Displays](#) in the room are capable of projecting [Solid Volumetrics](#). The Volumetrics Room is intended for recreation, training, and briefings. Force fields have been added to provide tactile feedback to simulations as well as to slide people back imperceptibly when they try to walk too close to a wall or change elevation. In this way, simulations larger than the room would normally permit are possible and can be safely employed. Simulations can also make people appear and sound further away than they are and nudge them away from collisions with each other if necessary to further add to the illusion.

This force field sliding can be disabled easily if desired; but small markers will appear to show the walls, floor, and ceiling boundaries while the door to the room becomes visible as a safety measure. All people will be shown in their actual locations as well.

Uses of the Volumetric Room include consuming media en masse, holding briefings with visual aids, relaying briefings from alternate locations, training, running combat simulations, showing simulations of home or other relaxing venues, large scale communications, as a pre-mission staging area, or even for making crew members run laps as punishment.

The Volumetric Room was modified may be to be sealed with [Forcefield-Nested Isolation Doors](#). The pipes, vents, and drains allow for the sealed room to be partially or completely flooded with water, or the atmospheric pressure changed, made heavy or vacuum. The temperature, humidity, atmospheric

composition, and gravity are adjustable to extremes not available on the rest of the ship.

There are also a variety of specialty equipment built into in retractable ceiling, wall, and floor panels relating to [laser tag](#).

## Wardroom

Based on the [MFY Type 30 Standard Wardroom](#), it is used for officer and guest dining and special occasions such as parties. Due to the size of the ship and its potential officer complement, the wardroom is quite large.

## Weapons Parts Storage

Separate from the [armory](#) and [workshop](#) storage area is stocked with parts for the ship's weapons systems and minor assembly facilities to assist with installation and repair of these offensive systems.

## Workshop

The workshop is a place for the tinkerer and inventor. It is an ideal space for performing repairs or crafting required tools or accessories. A wide array of powered equipment is available making for a serviceable machine shop, and there is ample and organized storage.

## Subsystems

Below are the systems of the Tanya-Class Expeditionary Heavy Cruiser.

### Tanya-class Hull and Frame Construct

The Tanya-class utilizes a primarily [Yamataium](#) <sup>4)</sup> hull structure. All windows and viewports utilize [Transparent Durandium](#), and most have a retractable armored exterior covering for opacity against beam weaponry.

<b>Tanya-class Hull and Frame Assembly</b>	
Primary SpaceFrame	Forcefield Reinforced <a href="#">Yama-Dura</a> Major Truss
Secondary SpaceFrame	<a href="#">Yama-Dura</a> Secondary Truss and Rod Assembly
Outer Plates	<a href="#">Sitearium</a> coated <a href="#">Yamataium</a> Plate with <a href="#">Omnihue</a> matrix
Lining	<a href="#">Yarvex</a> Lining

## Power Systems

The Tanya-class uses [Kaminari Quantum Foam Generators](#) with an integrated capacitor system to provide secondary power. Secondary Power can last 5-7 days (non-combat) or 18 hours (combat) in an emergency.

### Auxiliary Power System

A [Tsuyosa Series Matter-Antimatter Reactor](#) has been added for an auxiliary power generator to keep the capacitors filled and power the ship for extended periods without using an easily-detected zero-point energy source, or for additional power if more is needed than the primary system has available. This system also includes a [Matter Collection System](#) to increase its useful range.

### Emergency Power System

The [Omnihue](#) may be configured to allow the hull surface to perform as solar panels. Additionally, emergency solar panels may be deployed from the tips of the "wings," along with the emergency radiators, antennae, and solar sails.

## Propulsion Systems

The Tanya-class utilizes a modified [Mizu II Series - Umi II CDD](#) which maximizes the CDD performance at 16,500c. Distortion coils are located in the wing pods on both sides of the craft.



In addition to the CDD, the Tanya-class is equipped with four [Hoshi III Series Multi-stage Turbo Plasma Drives](#) for sublight speed. They are located in the central region of the pylons. Sublight performance for this craft usually can withstand 0.275c. Maneuvering Thrusters ([ion thrusters](#)) and the [Plasma Projection System](#) are used primarily for attitude adjustment, docking, and station keeping. The [pps](#) renders the vessel to be extraordinarily (relative to its size) agile and nimble even without any inertial dampening or gravitational manipulating systems active.

For hyperspace fold, the Expeditionary Cruiser uses a [Yumeoibito - Max Hyperspace Fold Drive](#).

Emergency [solar sails](#) may be deployed from the tips of the wings, along with emergency solar panels, antennae, and radiators, for efficient, if not fast, sublight travel if the engines are offline.

## Integrated Electronics

The Tanya-class is equipped with the [KAIMON-Super Gate](#) suite with its included communications and sensor systems. It also has the uplink and [PANTHEON/SYNC](#) connect module.

In addition to its [KAIMON Kagami sensors](#), there are also a [Mineral Scanner](#) and [SachiTech Tech-Scanner](#) available to the science officer.

Given the Tanya's small-craft-operations-centric mission focus, it includes the [Sorakagami Aerospace Operations Suite's Battlespace Communications, Command, and Control](#) feature for advanced [air traffic control](#) functionality.

The Tanya is software-upgradable to the [ELECTRA](#) system for qualified customers, and optionally has the [Umikagami Subsurface Operations Suite](#) available both from the factory as an option, and also as a minimal-labor, plug-and play, zero configuration aftermarket refit.

Auxiliary antenna arrays may be extended from the [wingtips](#), along with the radiators, solar panels and [solar sails](#).

## Life Support and Environmental

The Tanya-class is equipped with [Yugumo Standard Life Support Systems](#).

### Cooling System

All major heat-generating pieces of equipment, as well as the ablative plates on the armor, are paired with appropriately-sized heat sinks, liquid cooling systems, and radiators, which rapidly and effectively absorb waste heat and convert it to usable energy. Much of this heat is fed back into the plasma system to decrease the energy requirements to maintain a plasma-supporting temperature in the system. Some is sent to heat the onsen. Emergency radiators, as well as emergency solar panels, antennae, and solar sails, may be deployed from the tips of the "wings" if necessary.

## Shielding

The Tanya-class's [Mizu II Series - Umi II CDD](#) is equipped with a [\(Civilian\) Combined Field System](#), supplementary shields, and navigational shielding. The primary shields create a [six-faced](#) barrier.

### Supplementary Shielding

For times when the [\(C\)CFS](#) is unavailable or its operation is undesirable such as when [sitarium](#) is energized. Running both supplementary defensive systems at the same time does not increase the effective tier of the barrier, rather, they are used against different threats and the responding selected in

realtime after threat analysis by the computer. As the supplementary shields do not contribute to the ship's defensive profile when the [\(C\)CFS](#) is active, it is wasteful to have the supplementary shields active while the primary shields are as well.

## Electromagnetic shielding

The [Electromagnetic shields](#) are particularly good at deflecting the charged particles in many beam weapons. The shield created is a [six-faced](#) barrier.

## Gravitic shielding

[Gravitic shielding](#) are effective against kinetic weaponry and collisions. This shield also serves the special purpose of counteracting graviton beams. The shield created is a [six-faced](#) barrier.

## Navigational Shielding

Not intended for, or effective at, defense against starship weaponry, navigational shielding protects the ship against navigational hazards, such as fast-moving small masses and slow collisions with large masses. The deflectors allow for safe maneuvering without raising the profile of its sensor signature as much as the defensive shielding.

## Emergency Systems

The Tanya-Class Expeditionary Heavy Cruiser is equipped with [Yugumo Standard Emergency Systems](#). It has its own [fire suppression system](#) and [Forcefield-Nested Isolation Doors](#), and [Yugumo Standard Damage Control Alcoves](#) to assist with the repair of damage to the ship in the event an emergency occurs. All windows and viewports are [Transparent Durandium](#), with retractable armored blast shields to provide further protection or opacity against beam weaponry.

## Escape Pods

In the event of a catastrophic failure or impending doom, the ship has 3200 ["Ikigai" Escape Pods](#).

## Emergency Lockers

There are more than enough [Yugumo Standard Damage Control Alcoves](#), [Yugumo Standard First Aid Lockers](#), [Yugumo Standard Armory](#), and [Yugumo Standard Survival Lockers](#) easily accessible at key points throughout the ship, all fully-stocked, for any emergency.

## Secure Rooms

A sealed and access-controlled panic room designed for the protection or escape of individuals in the event of an emergency or the ship is compromised. Each room has its own independent life support and two each of each kind of emergency locker. The security system uses [Forcefield-Nested Isolation Doors](#) to secure the compartment.

There are 12 "[Ikigai](#)" [Escape Pods](#) in each compartment.

## Internal Security

Internally, there are enough pop-out automated weapons turrets positioned as to cover nearly the entire interior, or at least all common areas except the [arboretum](#), with at least three of them able to aim at any one spot with no blind spots or effective cover. These weapons are equivalent to a [Yugumo E2 Energy Pistol](#) each, but draw power directly from the ship's power systems<sup>5)</sup>. They are capable of firing in lethal and nonlethal modes, independently of each other. They are not capable of firing at targets outside of the ship. Additionally, hidden, armored vaults in strategic places around the ship contain actual [Yugumo E2 Energy Pistols](#), ready to open at the mental command of an authorized person<sup>6)</sup>.

## Hidden Drone Berths

Along each deck's corridors are [Yugumo Standard Anthroform Drone Berth](#) in pairs with a storage unit between each pair. These, designed to house anthroform security drones, are masterfully concealed behind panels in such a way that their deployment cannot be obstructed.

On [Yugumo Corporation](#) ships, they are [Yugumo's standard security drone](#). End users' drone and equipment loadouts may vary.

## Signature Reduction

The armor layer is impregnated with an [Omnihue](#) matrix, allowing effectively unlimited control over the coloration, pattern, text, and insignia of the surface. This serves as thermoptic camouflage and signature reduction, if set properly.

## Sitearium

The Tanya-Class's armor, in addition to the [Omnihue](#), has layers of [sitearium](#) coating it, that allow for even more effectively reduced signature than the [Omnihue](#) alone. Note that when the [sitearium](#) is energized, acceleration or maneuvering under power, or moving in an atmosphere, disrupts the signature reduction effect, and any zero-point energy such as [QF Generator](#) or [Aether Generator](#) onboard must be shut down, switching to more traditional forms of secondary power, or the ship remains detectable by anyone looking for such signatures.

## Utility Turrets

In various places around the outside of the ship are mounted pop-out turrets for non-weapons systems including the a few of the Large variant of the [MultiStruct Multitool](#) for collecting matter and resources from nearby asteroids and debris, several strategically-placed [Scalable Graviton Beam Projector Array](#) and [articulated grappling arms](#) for manipulating objects outside the ship, and [Harpoon Cables](#), adapted from the [Courier 2c 'Collector'](#), for anchoring and towing.

## Weapons

As a [civilian](#) expeditionary ship, the Tanya's armaments are based around point defense and protecting itself against smaller ships. It does not have the firepower to go toe-to-toe with a [capital warship](#) in its default configuration.

In its default configuration, it has [Three free On-Tier-Weapons<sup>7\)</sup>](#) or [Tier-Equivalent Weapons Groups](#) slots.

## Plasma Projection System

The ship is armed with a [Plasma Projection System](#) array comprising various sizes of emitters. These also serve as secondary engines and maneuvering verniers, increasing the acceleration profile, maximum speed, and maneuverability of the ship. Both the point-defense and anti-starship turret systems are pop-up/retractable so during non-combat situations they are enclosed beneath the hull plates. By redirecting power from the plasma system that powers the ship's propulsion, it may use excess weapons limitation capacity<sup>8)</sup> to muster up the remaining [Tier Equivalent Weapon Groups<sup>9\)</sup>](#) worth of firepower in variably-sized plasma cannons and smaller plasma guns by using magnetic direction to weaponize the ship's drive and maneuvering engine nozzle output. This negatively impacts the ships speed and maneuverability, however, the more power diverted from propulsion to weaponry. The effect is more and more pronounced the more free capacity that is used in this manner.

## Default Defensive Loadout

Per corporate policy, the ship may only be sold armed within the [Yamatai Star Empire](#). It is sold commensurately more cheaply if unarmed.

- 2 x ["Taihō" Heavy Starship Cannon](#) (Tier 12 Heavy Anti-Starship Primary Weapon Array)
- 2 x [Super-"Yakaze" Series Anti-Starship Turrets](#) (Tier 11 Medium Anti-Starship Secondary Weapon Array)
- 4 x ["Yakaze" Series Anti-Starship Turrets](#) (Tier 10 Light Anti-Starship Tertiary Weapon Array)
- 4 x ["Taihō" Light Starship Cannon](#) (Tier 10 Light Anti-Starship Tertiary Weapon Array)
- 16 x ["Taihō" Autocannon](#) (Tier 9 Heavy Anti-Mecha Small Craft Defense)
- 48 x ["Suzukaze" Mini-Missile Launchers Type 43](#), 250x80mm (Up to Tier 8, Medium Anti-Mecha)

Small Craft Defense)

- 128 x "Tachikaze" Point Defense Cannons Type 43 (Tier 6 Heavy Anti-Armor Point Defense)
- Plasma Projection System (Variable-Tier Multipurpose Weapons System)

## SAoY Variant



The Tanya-class may easily be made into a [Star Army of Yamatai](#)-worthy vessel by adding a few additional, restricted systems. The [SAoY](#) variant's [nomenclature](#) is Yu-C1-1b, and as a heavy cruiser, is classified by them as a [capital ship](#).

- A bank of [Geshrinari Aether Generator](#) is installed in the power section of [engineering](#). They are primarily used to supply the drives and weapons systems with aether, while the [QF Generators](#) power less intensive systems.
- The primary engines are upgraded to [Multi-stage Turbo Aether Plasma Drives](#).
- The [Combined Field System](#) is provided by an [Integrated CFS Array](#), freeing the nacelles for additional systems.
- A [Geshrinari Psionic Signal Controller](#) is installed per regulations.
- The ship is equipped with a [Nodal Liquid Conduit System](#).
- [Star Army Standard Life Support Systems](#) are installed as the primary, leaving the [default](#) as a backup.
- A [KAMI](#), along with its sensors, is installed as the master system. The [KAIMON-Super Gate](#) is relegated to a secondary system for backup and ancillary or auxiliary computing. Much like the [Amatsuomame's secondary "Destiny" computer](#), [KAIMON](#) handles most of the administrative functions on board the ship, taking priority on the daily running of the systems and personnel, as well as fleet management duties. Its sensors and communications are secondary, used mainly as a backup system in case the primary systems become damaged or otherwise inoperable, while the [KAMI](#) performs most of the tactical and strategic functions and is the the primary sensor and

communications package.

- Addition of [Star Army Electronic Warfare Suite, Type 44 \(ELECTRA\)](#).
- Standard inclusion of [Umikagami Subsurface Operations Suite](#).
- Replacement of [Sitarium](#) with [Xiulurium](#).
- The [Medical Complex](#) features [hemosynthesis reconstruction tubes](#) and [Memory Transfer Backup Units](#).
- [Star Army Bunk Bed, Type 40](#) are upgraded from the *Deluxe* to the *Military* variant.
- Seats and stations are upgraded to have compatibility with [SPINE](#).
- The [fabrication facility](#) is equipped with a [military-spec synthesis reactor module](#) and [aether generator](#).
- Ship and Fleet command areas feature [Palace-Style Passageways](#).
- Other interiors are generally replaced with their analogue from [Star Army Starship Interiors](#).
- The amenities spaces of the ship around both the [arboretum](#) and [Central Transit Station](#) each include a [Star Army Ship's Store](#), [Standard Star Army Post Office](#), [Star Army Clothing Store](#), [Star Army Alterations and Embroidery](#), and a [Warm and Sweet](#).
- The residential zone can be converted into a barracks capable of carrying four [Rikugun Regiments](#).
- Other changes to the ship, especially the upper-fore and other non-operational decks, are available to a commissioning commander.

## Increased Speed

The military-spec upgrades to this variant bring the Tanya-class in line with [Star Army of Yamatai Starship Speeds](#).

- [Integrated CFS Array](#): 0.01c to 18,750c ( $\approx 2.14$  ly/h)
- [Yumeoibito - Max Hyperspace Fold Drive](#): 394,470c (0.75 ly/m)
- [Multi-Stage Turbo Aether Plasma Drives](#): 0.375c

## OOO Notes

[Yuuki](#) created this article on 2020/03/11 18:53. Art and much other assistance by [Alex Hart](#).

Approved by [Wes](#) on 2022/11/07.<sup>10)</sup>

Products & Items Database	
<b>Product Categories</b>	starships
<b>Product Name</b>	Tanya-Class Expeditionary Heavy Cruiser
<b>Nomenclature</b>	Yu-C1-1A
<b>Manufacturer</b>	<a href="#">Yugumo Corporation</a> , <a href="#">Yugumo Fleetworks</a>
<b>Year Released</b>	<a href="#">YE 44</a>
<b>Price (KS)</b>	3,578,000.00 KS
<b>DR v3 max</b>	Tier 13
<b>Mass (kg)</b>	70,000,000,000 kg

1)

Gravity reversed

2)

the ship does not by default come configured with the systems to arm and launch anti-ship torpedoes such as the [OI-Z1b Anti-Ship Cruise Missile \(Refit\)](#)

3)

Or above in the case of the dorsal hangar pods

4)

[Yugumo Corporation](#) is a major corporation in the [Yamatai Star Empire](#) with authorization to produce products with this material.

5)

With backup power equivalent to its typical battery.

6)

or the correct keypad sequence

7)

[Tier 13, Light Anti-Capital Ship](#)

8)

Three [On-Tier-Weapons](#) worth in the default configuration

9)

individual weapons limited to a maximum [DR 10](#)

10)

<https://starmy.com/roleplay-forum/threads/tanya-class-expeditionary-heavy-cruiser-by-yugumo-fleetworks-with-osman-heavy-industries.69316/#post-430888>

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