

RHI Type 43 "Yuuki" Combat Helmet

The Type 43 "Yuuki" (勇氣, meaning courage) Combat Helmet is a combat helmet designed to be used alone or with the [Yoru no Tenshi 'Tenshi II' Light Mechanized Power Armor](#). It was released for distribution to [Black Crane Securities](#) and the [Yugumo Corporation](#) in YE 43, with export models shortly after.

About the RHI-G3 Type 43 "Yuuki" Combat Helmet

RHI-G3 Type 43 "Yuuki" Combat Helmet	
YE Production Began	YE 43
Designers	Ryu Heavy Industries
Manufacturer	Ryu Heavy Industries
Nomenclature	RHI-G3-1A
Used By	Ryu Keiretsu , Yugumo Corporation , Independent
Damage Protection Rating	Tier 3
Availability	Mass Production
Price	750 KS (500 KS for 1B)

History

A product of the [RHI Type 43 "Paradin" Infantry Kit](#) project, the Yuuki Combat Helmet took a life of its own when [Yugumo Fleetworks](#) offered the [Yoru no Tenshi 'Tenshi II' Light Mechanized Power Armor](#) for purchase. It was an offer the [Mizumitsu Samurai](#) were unwilling to refuse.

Originally intended to be a simple combat helmet with AI support, the company added a minturized version of their Video Synthetic Aperture Radar to provide active detection. While not the stealthiest option or able to get detailed information with the use of exotic particles like the ["Monoeye" Directional Sensor Suite](#), it does allow an individual to see in smokey/foggy situations and early warning of projectiles in that direction. It also provides terrain mapping capabilities if the individual can fly.

The variable AI core was added towards the end of development so the helmet was not dependent on specific models to operate. Yugumo experts were consulted on how best to incorporate their AI systems for both non-PA and Power Armor usage.

Design

The Yuuki is unique in its multi-mission design. It may be used on its own, with a power armor, or with an environmental suit.

Appearance

As it is intended for both heavy infantry and power armor, the Yuuki Combat Helmet stands out when compared to others such as the [Star Army Helmet, Type 41 "Kabuto"](#). The front of the helmet is a contoured piece of solid [Osmiridium](#). At the top is a flat triangular protrusion [Black Crane](#) operatives affectionately call an "Oni horn".

A light version of the Yuuki (1B) lacks the lower portion of the face armor, covering only the eyes of the individual. An attachable mask provides access to the rebreather environmental systems. The oni horn is an attachable component.

Black, black and red, olive drab, and [RIKUPAT](#) cloth covering are available for purchase. With access to the proper programming, the [Omnihue](#)-matrixed surface may be used to display any color or pattern.

Skin Materials and Armor

The primary shell of the Yuuki is comprised of [Osmiridium](#) and [ADNR \(Aggregated Diamond Nanorods\)](#) in key supporting structures. The inner padding is nitrogen-filled [Yarvex Foam](#) (supplied by [Yugumo Corporation](#)) and lined with black-dyed [Kinugoshi-ko](#). The outside is finished with a transparent heat-resistant material and [Omnihue](#) dye. Yuuki Helmets intended for export have the [Yarvex Foam](#) replaced with shock absorbing gel.

Vision for the 1A helmet is provided by two sources: the nanomachines of the [Omnihue](#) dye and the backup [Multifunction Optical/Audio Sensory Suite](#) located behind a hidden one way mirror at the base of the horn of the helmet. Each is fed directly into the mind of the user via the [KAIMON interface](#). Should that fail, there is a backup [Volumetric Display](#) within the inner visor.

Sensors and Computer System

The Yuuki Combat Helmet has a variable [KAIMON](#) AI. When it is disconnected from additional hardware located within designated power armor, it functions like an [Aperture](#) level AI. But when attached to power armor, it is boosted to a [Passage](#) level AI. The AI core is located in the rear of the helmet. An additional slot for a data chip on the right side of the helmet can be used to transfer over the AI to other systems or to increase digital storage space.

Located above the "forehead" of the helmet of the A model (optional for B models), a small flat protrusion (dubbed the "Oni Horn" by [Black Crane](#) operators), houses a personnel-scaled [Visual Synthetic Aperture Radar \(ViSAR\)](#) that relies on external power.

Power Systems

The Yuuki Combat Helmet largely relies on external power to power its sensor suite and most advanced

features of the AI core. Without external power, the helmet defaults to using battery located in the rear of the helmet to power low-power systems such as its environmental and visual systems.

Environmental Systems and Life Support

For environmental systems, the Type 43 has connections for oxygen and water for use with the Megumi Environmental Skinsuit (or similar suits). An emergency tank is located in the rear of the tank to provide 20 minutes of oxygen in combination of the built-in re-breather. Filters are also located in the side of the helmet to allow the breathing of the local atmosphere.

Replacement Parts

The following section details replacement parts and their prices.

- Replacement filter: 10 KS
- Battery Adapters (each): 10KS
 - [BR-28 Series](#)
 - [GH Micro Core](#)
 - [IHVC](#)
 - [BR-E2a](#)

OOO Notes

[Demibear](#) created this article on 2021/11/04 03:29.

This article is a work-in-progress. Is it not currently approved.

Products & Items Database	
Product Categories	military equipment
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Manufacturer	Ryu Heavy Industries
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