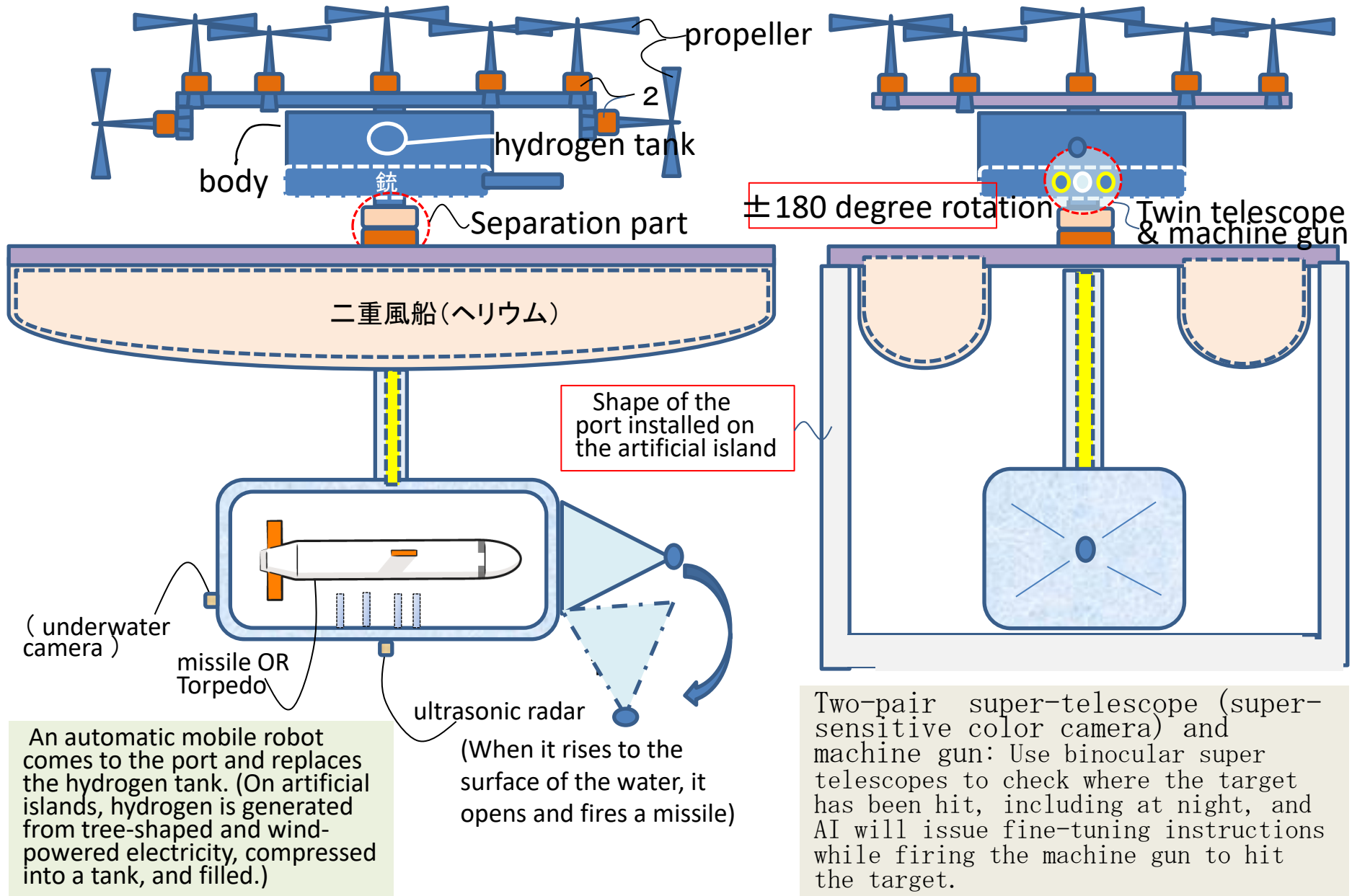
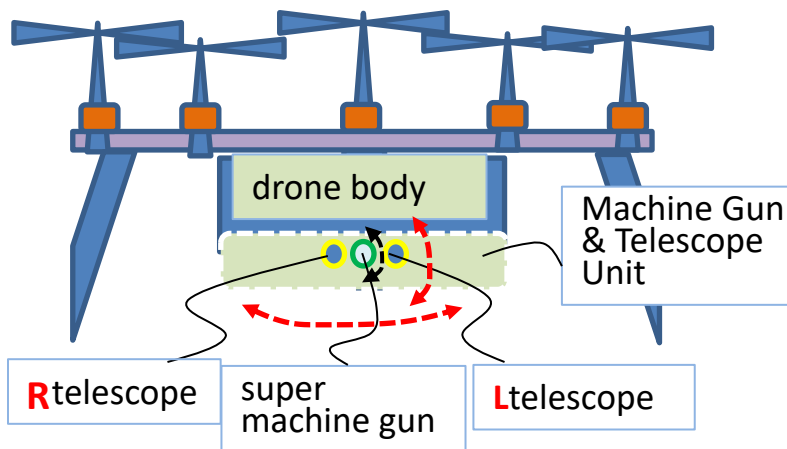


Hydrogen-fueled automatic drone weapon capable of 24-hour navigation with balloons = Unmanned Defense = BD



automatic sniper system

An AI-equipped autonomous drone equipped with an ultra-long-range (more than 5km) machine gun with a mechanism that allows fine and precise adjustment of the muzzle direction, and two super-telescopes (=ultra-long focal length). Then, shooting considering the distance to the target, elevation difference, wind and rain, temperature, etc., confirming where it hit with the super telescope, making fine adjustments to the target, and shooting again. Automatic sniper system that can always hit.



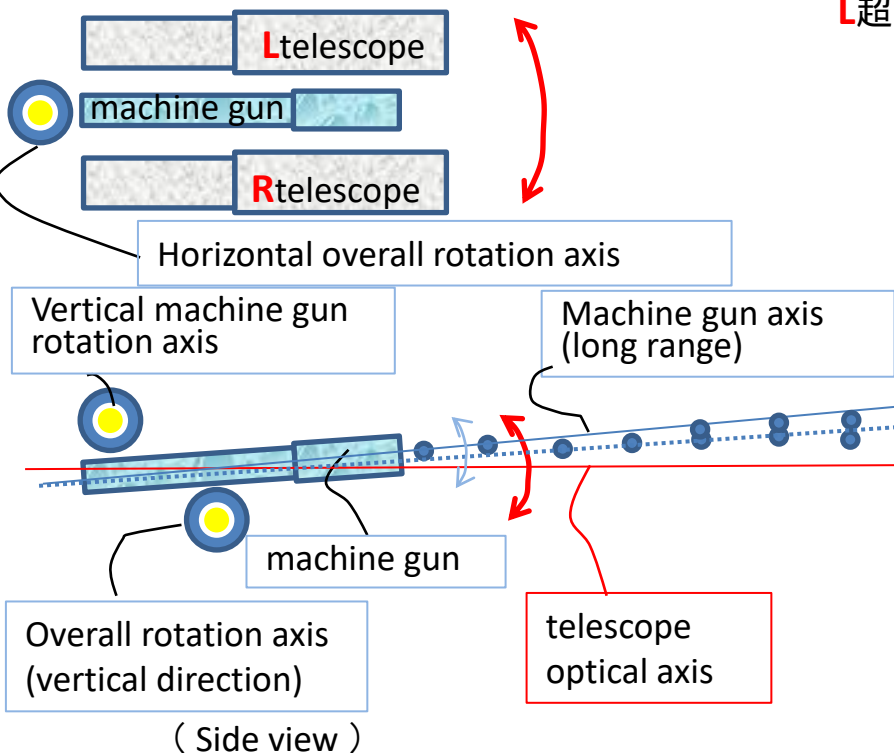
(Plan view)

L超望遠鏡からの画像

R超望遠鏡からの画像



Imaging area deviation caused by inter-lens distance (D)



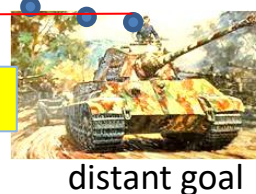
Machine gun axis (close range)

(ballistics)



second shot

first shot

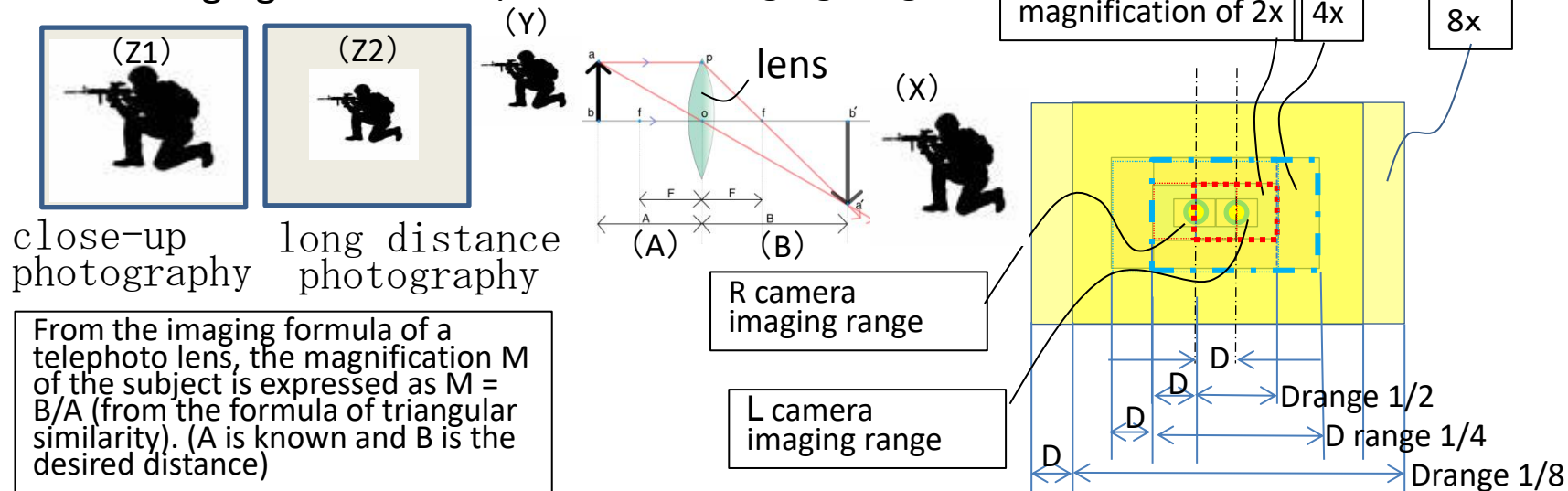


near goal

distant goal

(Subject side)

(Imaging unit) Telephoto lens imaging diagram



Distance measurement method (Part 1)

If the distance between the two telephoto lenses (and camera) is D , the ratio of the size of D to be imaged (=the part imaged by one camera and not imaged by the other) is inversely proportional to the imaging magnification. Therefore, the magnification is known.

In the figure above, the range of D is 1/2 when the subject range (= dotted line part: the image formation magnification is 2x) is captured twice as large as the L camera imaging range. Similarly, the range of D is 1/4 when a subject range that is 4 times larger than the imaging range of the L camera (= one-dot chain line part: imaging magnification is 4 times) is captured.

→ Once the magnification is known, A is already known, so B is derived, that is, the distance to the subject is known.

Distance measurement method (Part 2)

Next, since the dimensions of the image size of the imaging unit are known, the dimensions of (Y=) Z1 and Z2 captured are also known. Also, with AI technology, it is possible to estimate the original size of X, X is known, the ratio between X and Y is known, the ratio between A and B is known, and A is known at the lens design stage. so we know B after all, i.e. we know the distance .

Equipped with a high-sensitivity color camera, it can shoot accurately even at night, making it a very scary weapon. Great war deterrence.

Unmanned Defense = 24-hour cruise
automatic lookout by BD

artificial
island

Artificial island: tree type &
automatic exchange of
hydrogen tanks & 100 ports

100% Renewable & 100%
automatic operation

BD = automatic sniper function,
automatic FCV drone with
balloons Weapons: missiles,
machine guns, torpedoes, etc.

with ultrasound and camera
images Check submarines.

Set a goal of 1000
artificial islands in the
exclusive economic
zone line, and always
circulate each BD.

接続水域

領海 (内水を含む)

日本海

竹島

日本

八丈島

公海

太平洋

南鳥島

沖ノ鳥島

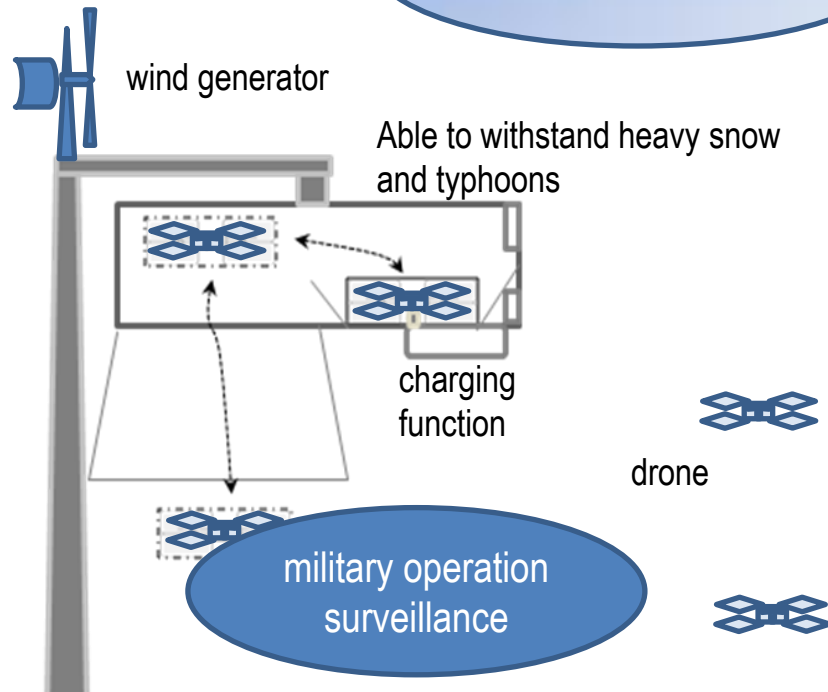
排他的経済水域
(同水域には接続水域も含まれる)

The AI installed on the nearest artificial island
contacts the ship entering the territorial waters, and
if there is no problem, the ship passes through.
Launch various attacks at high speed. (Japanese
invasion ships must first fight against countless
drones.



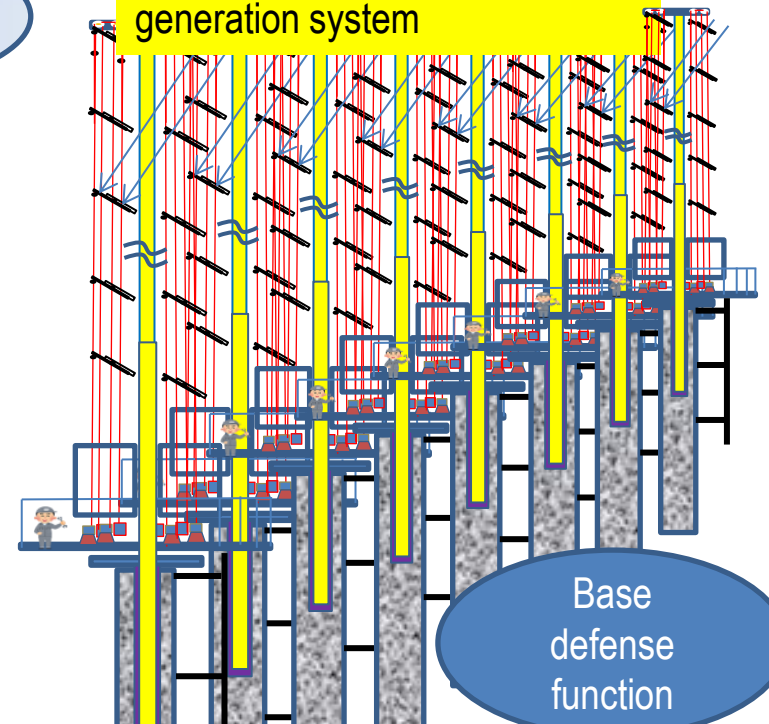
Dedicated defense system in the case of land connection

drone shelter



Drone surveillance system that operates 24 hours a day with an independent power source that uses 100% renewable energy. Equipped with an ultra-high-sensitivity color camera, it makes flights of about 15 minutes every 3 hours, 365 days a year. ◦

Tree type solar power generation system



Create a tree-shaped wall to prevent military vehicles such as tanks from entering.

Nominal building a zero greenhouse gas society