

October 29, 2021

**MIRAIT Holdings Corporation****[ MiratecDrone Corp. ]****Starting to Accept Orders for Multi-function Rescue Japan Entirely  
Made in Japan on November 1****Exhibit at Japan IT Week Autumn was held from October 27**

MiratecDrone Corp. (head office: Shinagawa-ku, Tokyo; President: Yasuyuki Sasaki; “MiratecDrone”), which is a Group company of MIRAIT Holdings Corporation, will begin accepting orders for entirely made in Japan rescue drones equipped with a variety of functions on November 1, 2021. The drone was also be on public display at Japan IT Week Autumn was held from October 27.

The rescue drone provided by MiratecDrone was developed and manufactured by Toko Tekko Co., LTD. (head office: Odate-shi, Akita; President: Houjun Sugawara).

The TSV-RQ1 Toko Rescue Drone® has IP55 water resistance and the ability to withstand a wind speed of 18m/s, making it a multifunction drone with excellent maneuverability able to fly without being affected by the elements in severe sites where every second matters in emergencies and disasters.

In addition, the flight controller that could be considered to be the “brain” of the drone is entirely made in Japan for high reliability in terms of security.

Furthermore, the streamlined body offering little wind resistance has a dual monocoque structure\* giving the drone a stylish design and airtightness (floating structure) not seen in existing large drones. In addition, it will be equipped with functionality enabling real-time delivery of high-quality video of on-site conditions in real time in a 5G-capable environment.

Options include an “ultra-sensitive/ infrared camera” maintaining daytime-like brightness even in the dark, a “high-intensity LED light” utilized when operating at night, a “high-power speaker” enabling the communication of information to the ground from 100 meters in the air, and a “supply release unit” capable of carrying up to 2 kilograms.

MiratecDrone has eight pilots with the necessary high level of skill for piloting the drones, who will go into action upon request and also provide introductory education (training) to groups introducing the drones, offering advice enabling them to be utilized more accurately. Furthermore, MiratecDrone aims for sales of 500 million yen by 2022 through the provision of

rescue drones, introductory education (training) and dispatch of pilots mainly to local governments implementing disaster measures nationwide and telecommunications carriers.

An overview of the internal company product is provided on the attachment.

\* The special dual monocoque structure without a frame makes the body strong and lightweight.

Name: Rescue Drone TSV-RQ1



Basic structure (specs):

Item	Manufacturer
Flight controller	Flight controller made in Japan
Size	With arms extended: 1100mm rotor span, 491mm height When retracted: 840x620mm, 491mm height
Number of rotors	4
Maximum takeoff weight	12kg
Body weight	6.1kg (without battery, without options including camera)
Maximum payload (airframe)	3kg
Battery	Type: Lipo6s Capacity: 22Ah Number used: 1
Propeller size	28inch
Maximum transmission range	5km * In an outdoor environment without obstacles
Maximum speed	60km/h
Maximum flight time	35 minutes (without payload)
Maximum wind speed for flight	18 m/s * Wind speed that moves large tree branches and starts to remove billboards and corrugated metal sheets
Dust and water resistance	IP55 * Normal operation not impeded by the entry of a small amount of dust  * Not subject to harmful impact of direct jet flow of water from any direction
Buoyancy	1 hour (without battery, without options including camera)
FPV camera	Full HD

Options:

Item	Specifications
Supply transportation release unit	Maximum transportable weight: 2kg
High-intensity LED light	8000lm
High-power speaker	30w
Ultra-sensitive camera	Equivalent to ISO100, 31X optical zoom, 32X digital zoom
Infrared camera	640 x 480 VGA format high-resolution, high pixel count thermal camera

End