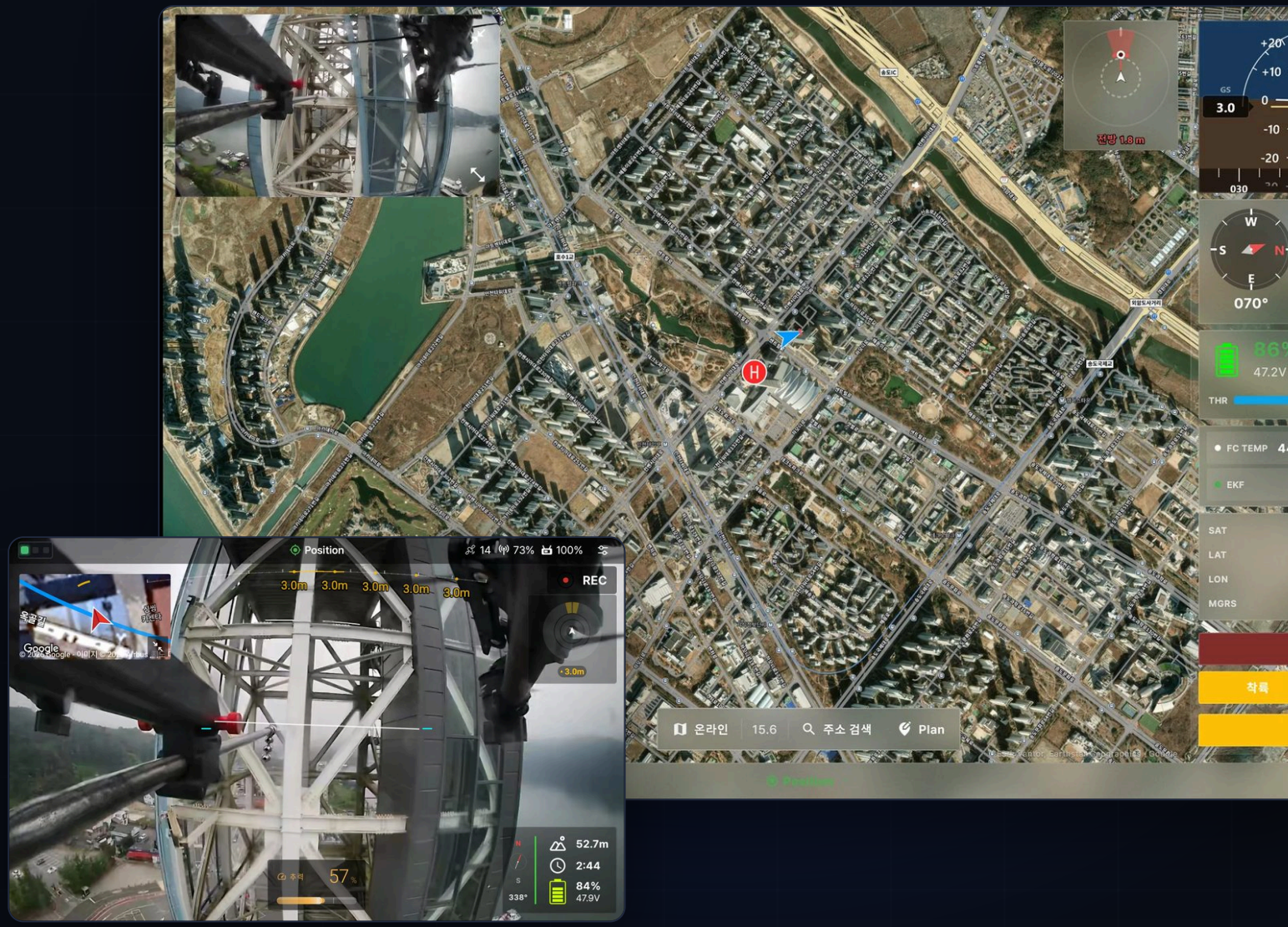
DRT DRONE

DRTView

Ground Control Software

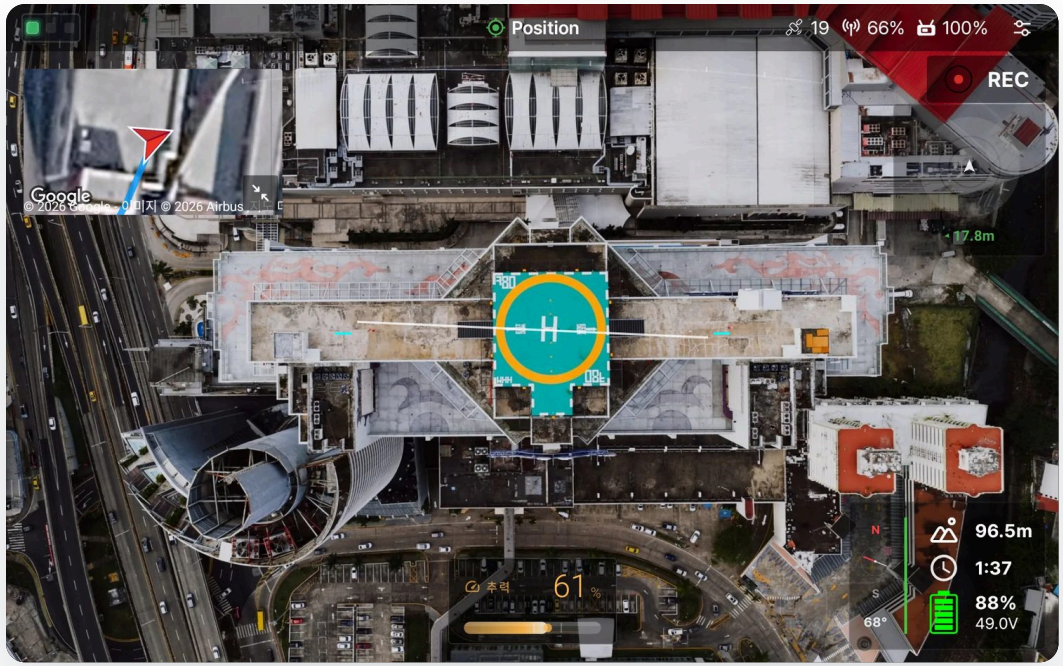


ANDROID	Controllers · Tablets
WINDOWS	PC ground control

01 · KEY FEATURES

ANDROID · WINDOWS

Key Features



01

One app, two platforms

Operated the same way on an Android controller and a Windows PC

02

Only what you need, easy to read

Shows the operator only what matters now, with developer tools one step further in

03

Danger first, on screen and by sound

Obstacle distance display · warning popups · voice alerts in Korean, English and Japanese

04

Map · Airspace · Mission planning

Flight track and no-fly airspace on the map; survey, corridor and structure-scan missions on Windows

05

Offline maps

Saved satellite and label maps plus GeoTIFF aerial imagery for closed networks

06

DRT aircraft recognized automatically

Dedicated screens and settings for NEXA1, DRT Q and DRT T · standard PX4 aircraft over USB, UDP, TCP and Bluetooth

DRTView

PX4 ground control software that DRT designed from start to finish

General-purpose ground control software is made for developers, so all information comes at once. DRTView shows the operator only what is necessary now and keeps the developer tools one step further in.

From the pre-flight check to the post-landing records, you operate it the same way on an Android controller and a Windows PC.

Android · Windows

One app, two platforms

1,000 +

Parameters handled

KO · EN · JA

Languages

4

Connection types USB · UDP · TCP · Bluetooth



HOME SCREEN · SAFETY

Power on, and preparation starts.

Vehicle link, video reception, battery and satellite status sit on one screen. Confirm the pre-arm check results from the aircraft, and one button starts the flight.

Pre-arm check

The check results from the aircraft are shown item by item on the home screen.

Built-in guide

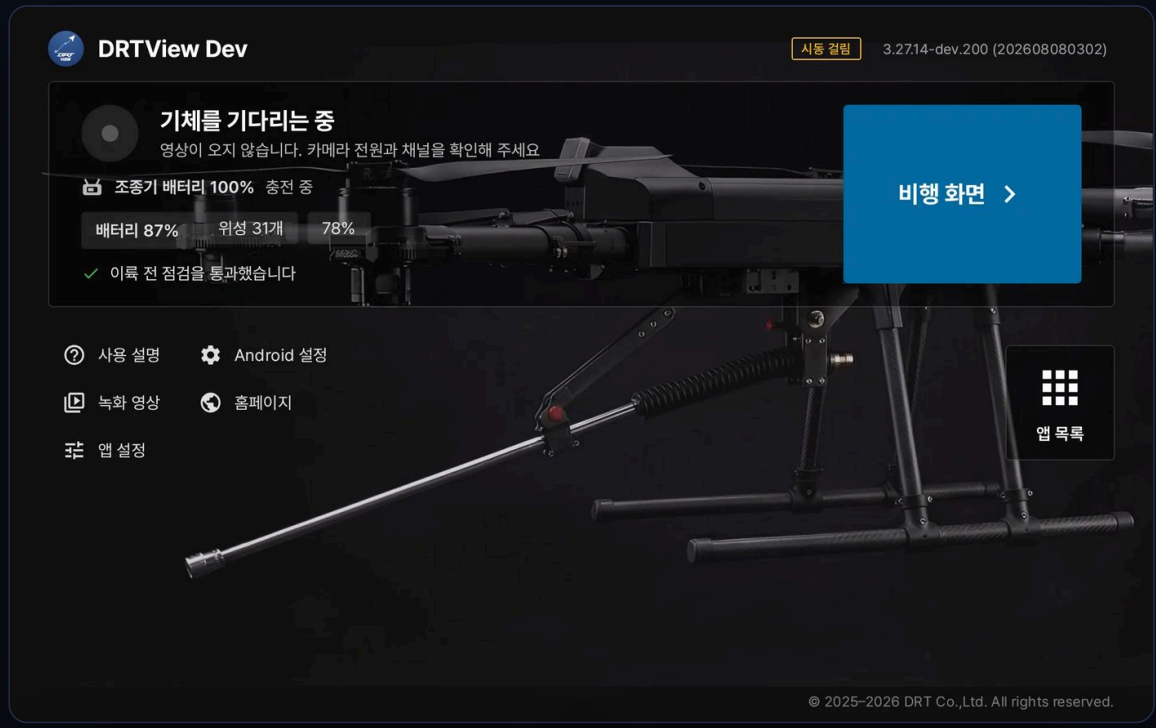
From the arming procedure to warning response, read on the controller.

Warnings · Voice

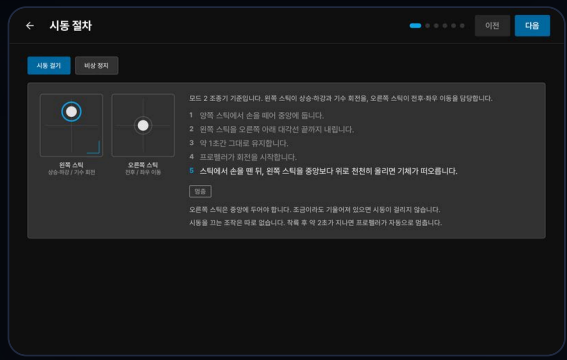
Aircraft faults and operating limit violations shown at once as a banner and by voice in Korean, English or Japanese.

Link loss handling

The last values are frozen, and when the same aircraft returns, the app continues automatically.







Home screen · link · battery · satellites · pre-arm check / warning popup / built-in guide

FLIGHT SCREEN

Only what you need, over the video.

Our own video pipeline draws H.264 and H.265 video with low latency, and flight information sits in order at the edges of the screen.

Eyes on the aircraft

Altitude, flight time, battery and thrust sit in order at the edges of the screen.

Obstacle distance

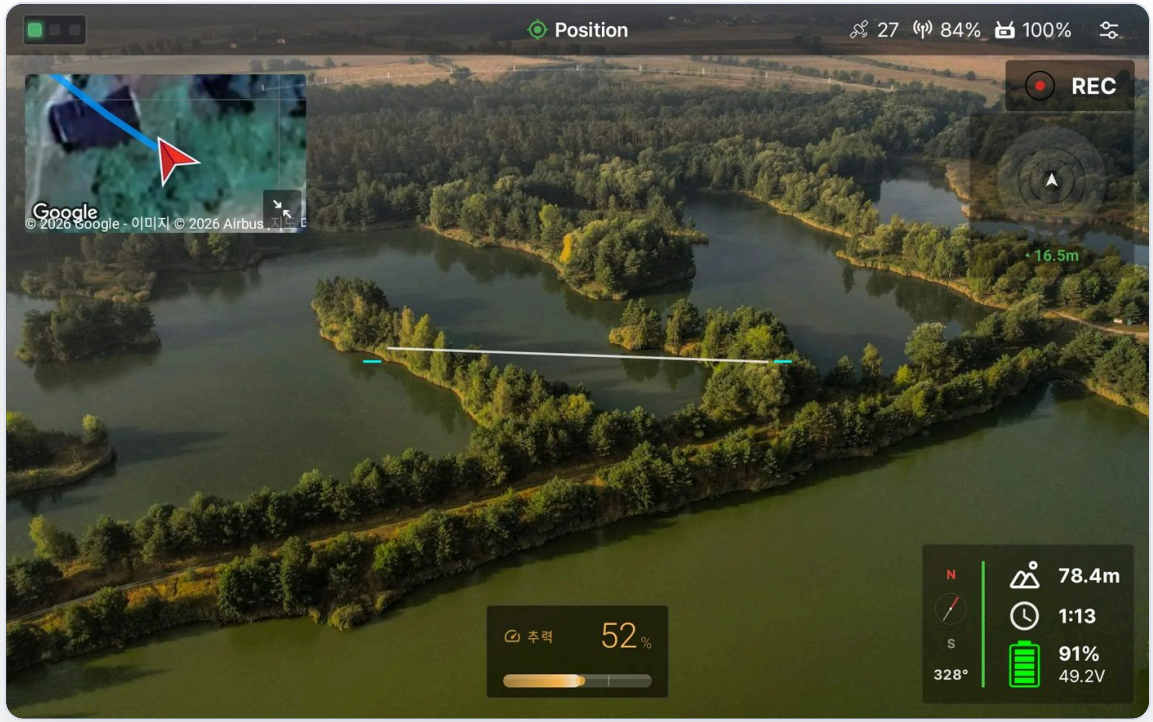
Distances the aircraft detects, drawn over the video as a ribbon per direction with a forward readout.

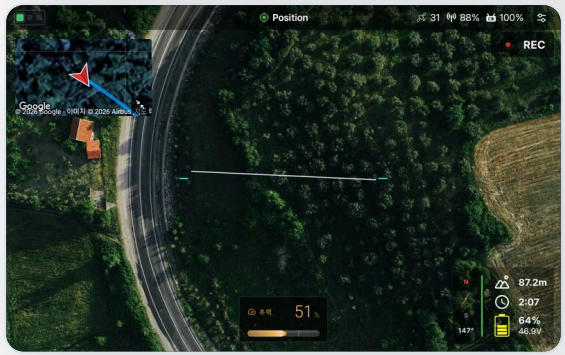
Gimbal · Camera · Recording

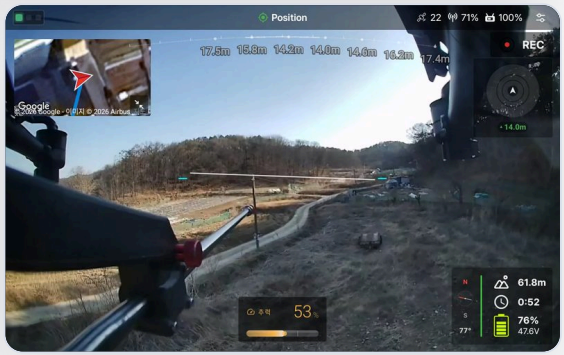
Controlled on the same screen, and original-quality recording is one button.

Thrust load monitor

Total weight estimated from thrust, with a descent advisory when it exceeds the propulsion table.







Flight screen · map PIP · altitude · flight time · battery · thrust / forward obstacle distance ribbon

MAP · AIRSPACE

Track and airspace at a glance.

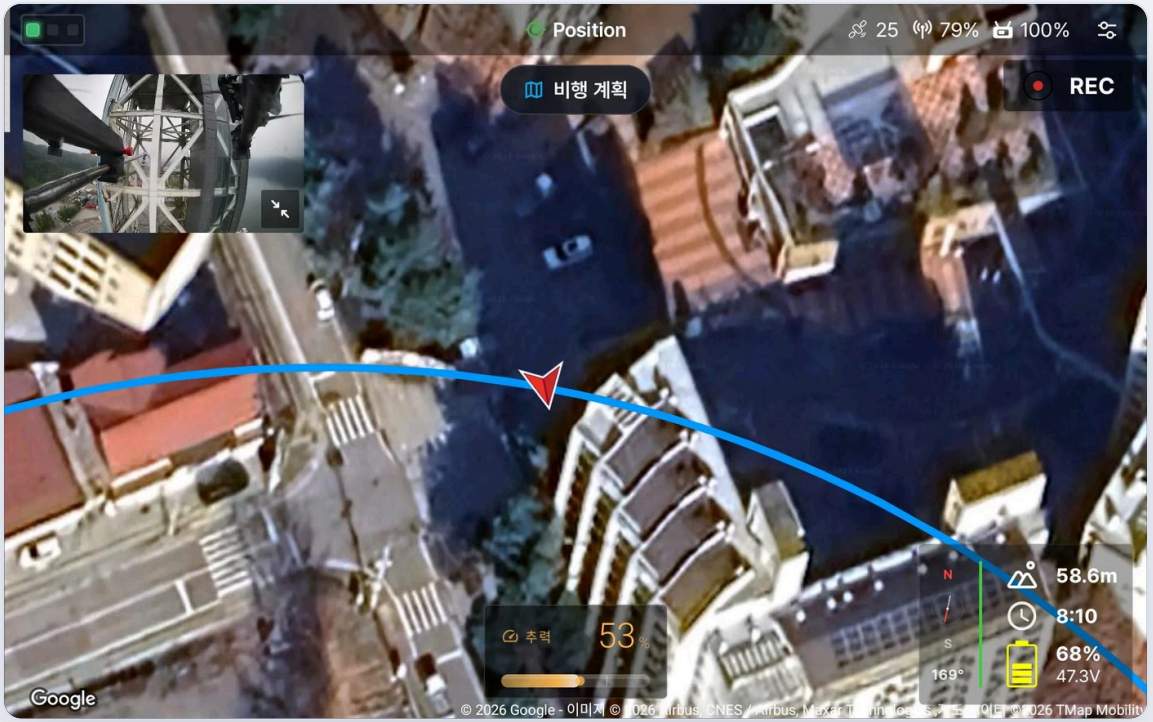
Live position and the path flown stay on the map. No-fly and controlled airspace are color coded, so you can decide in the app whether you can fly, without other sources.

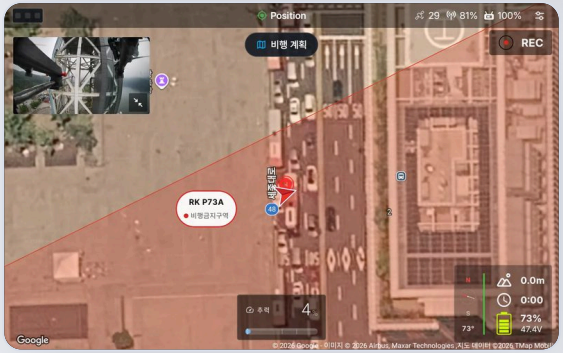
Flight track
The path flown stays as a track, and video shows as PIP.

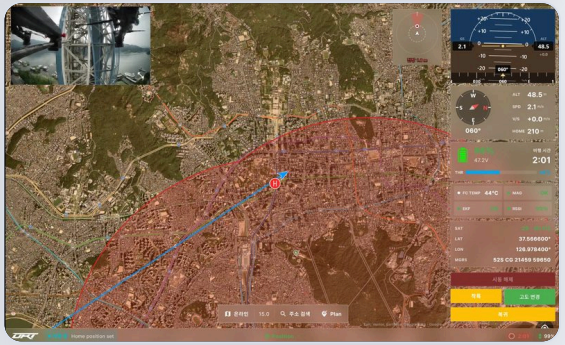
Color-coded airspace
No-fly, control and restricted zones in distinct colors.

Zone details
Long-press to see the zone name and class.

Offline
Imagery and place names seen once, and saved airspace data, are reused without a connection.







Main map · track · video PIP / zone name and class / Windows · Seoul no-fly zone boundary

SETTINGS · FIELD TOOLS

Simple to start, precise to the end.

Each aircraft has its own quick setup, and one step deeper all of the more than 1,000 PX4 parameters open.

Aircraft quick setup

Presets · collision prevention distance · altitude limit. For DRT Q, presets and response curves in the feel editor.

Full parameters

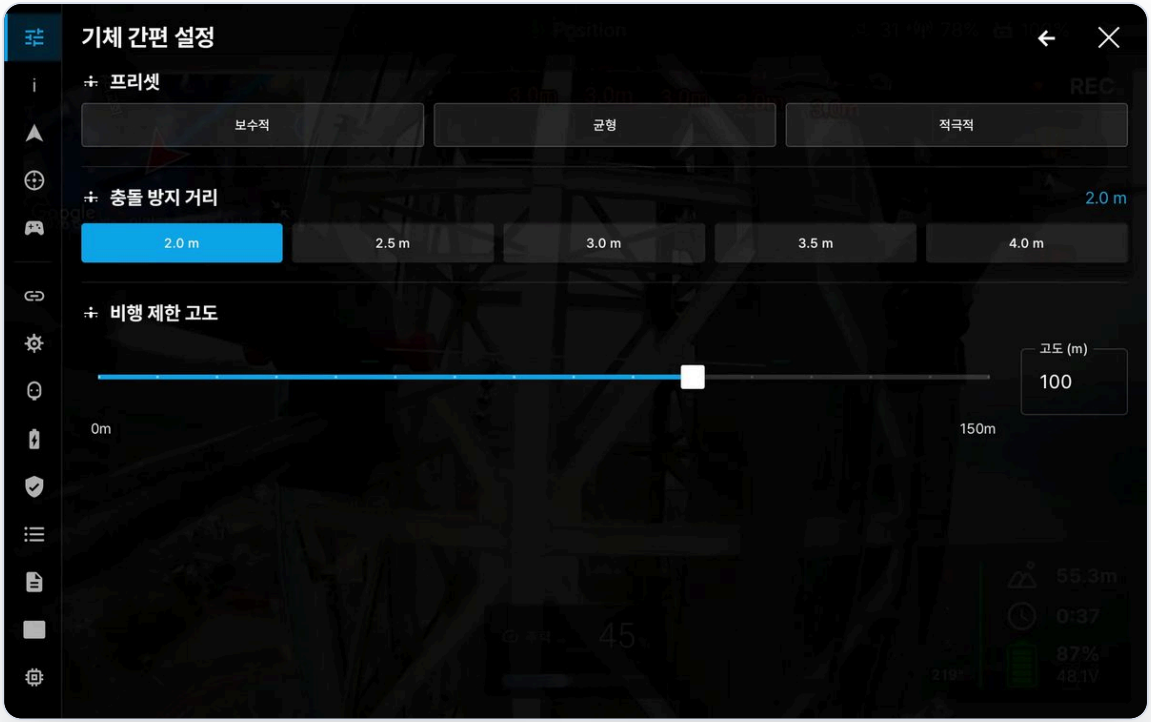
Group browsing and search, a diff of changed values before applying, and motor and servo tests one by one.

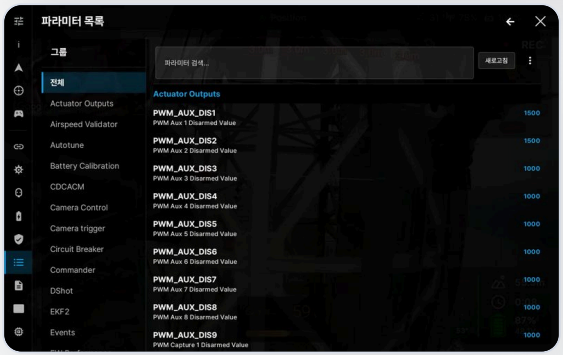
Remote updates

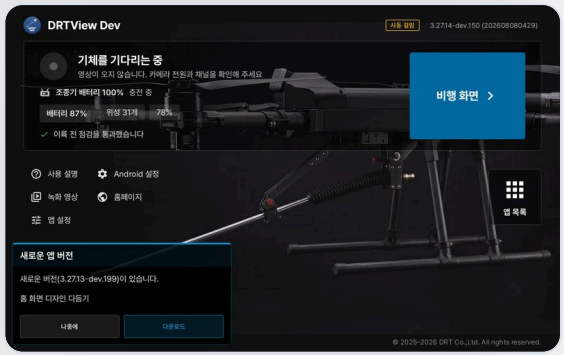
The app and the aircraft parameters stay current with only an internet connection.

Flight records · Logs

Telemetry records stay on the controller and upload to the server. Aircraft flight logs download for analysis.







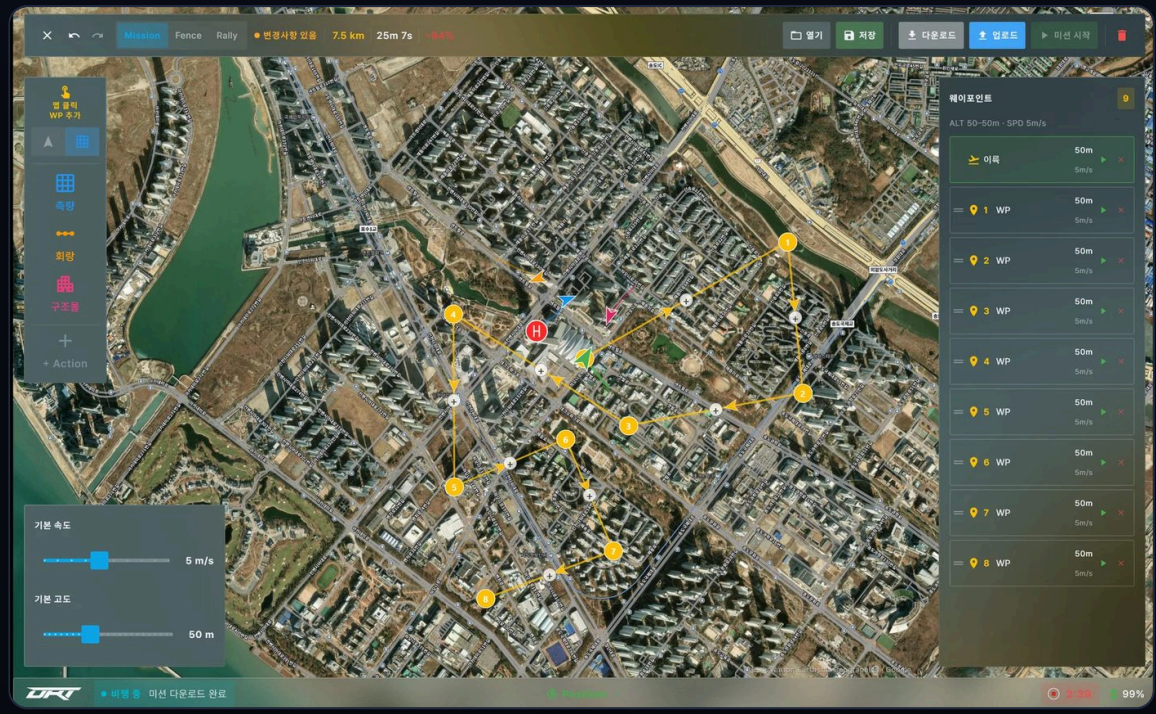
Aircraft quick setup · presets · collision prevention distance · altitude limit / full parameter list / new version notice

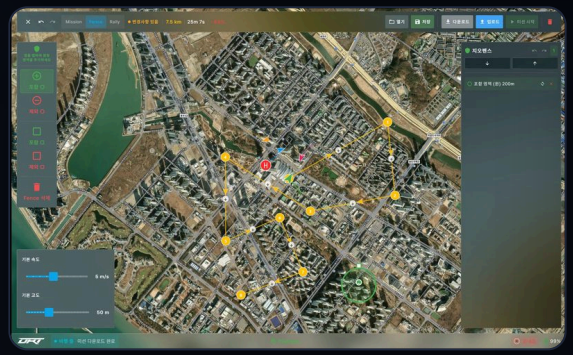
DRTVIEW FOR WINDOWS · MISSION

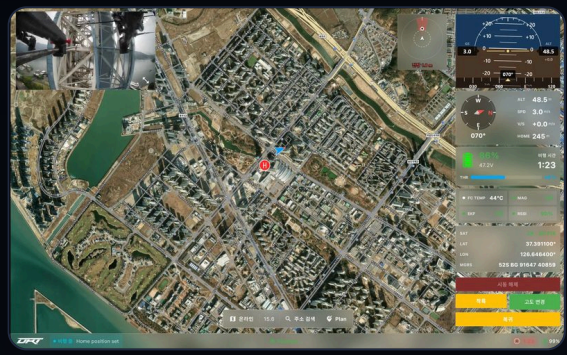
Draw it on the map, and the path is generated.

On a Windows PC, the same app works for a large screen and a mouse. Pick the mission type and draw the area on the map, the path is generated, and survey, corridor and structure-inspection missions are planned in a few steps and flown automatically.

Mission types	Waypoints · survey area · corridor · structure scan, with automatic paths
Safety	Geofence and rally points are uploaded together with the mission.
Preview	Distance, time and battery estimate before upload.
Save and reload	.plan files for repeating the same mission.







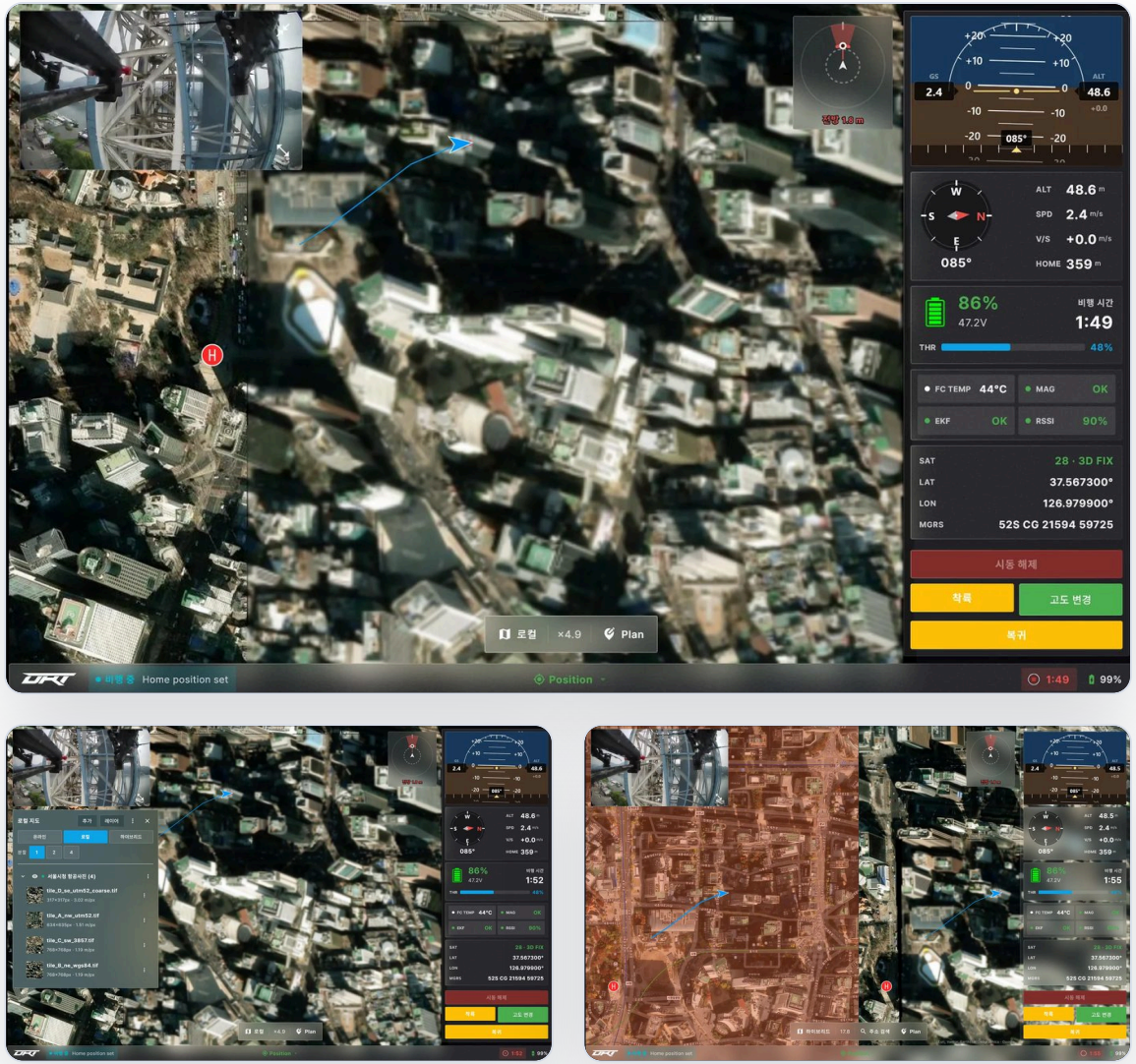
Flight plan editor / circular geofence and rally point / Windows flight screen

DRTVIEW FOR WINDOWS · OFFLINE MAP

On closed networks, with your own aerial imagery.

Unlike software tied to online tile maps, closed networks in defense and public agencies can use their own aerial imagery and map files as the base map.

Formats	GeoTIFF and COG files, drag and drop.
Automatic stitching	Several tiles cover the whole operating area.
Compare with online map	Overlay, or a 2- or 4-way split side by side.
Map cache	Imagery and place names seen once are reused offline.



Flight track over own aerial imagery / adding GeoTIFF files / online map and own map side by side

DRTVIEW FOR WINDOWS · FLEET · VIDEO

Command several aircraft from one screen.

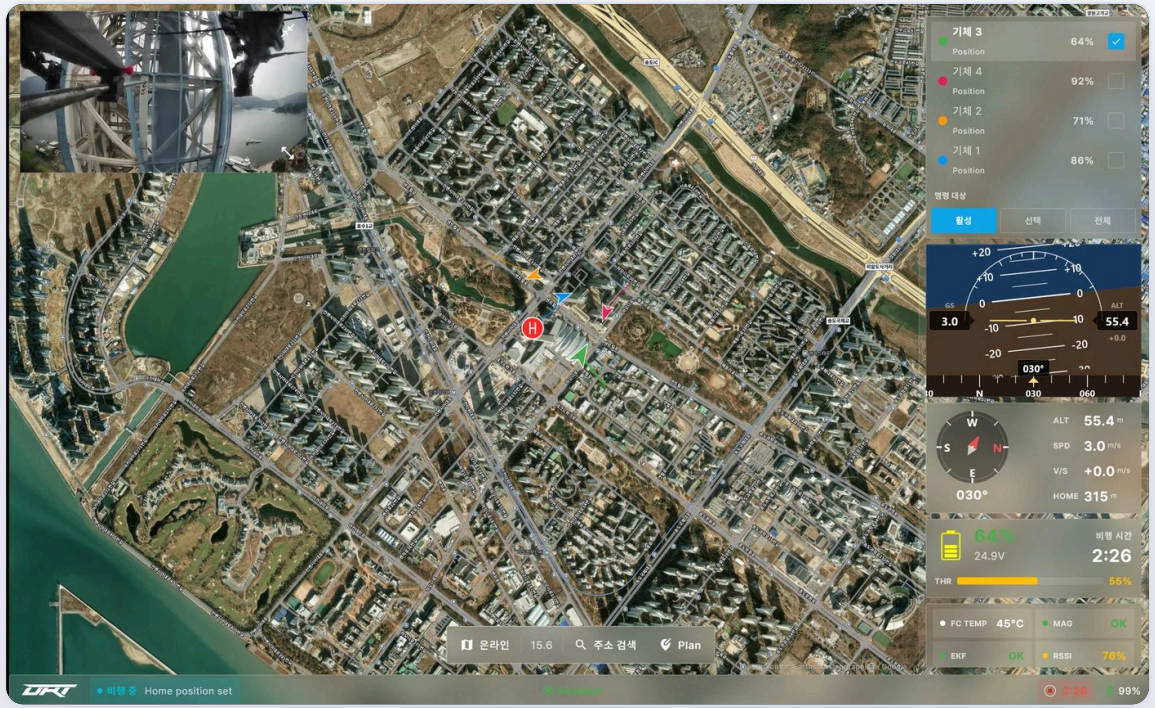
Every vehicle's status sits side by side on one screen, and commands go only to the vehicle you choose. Register several video sources and switch between them.

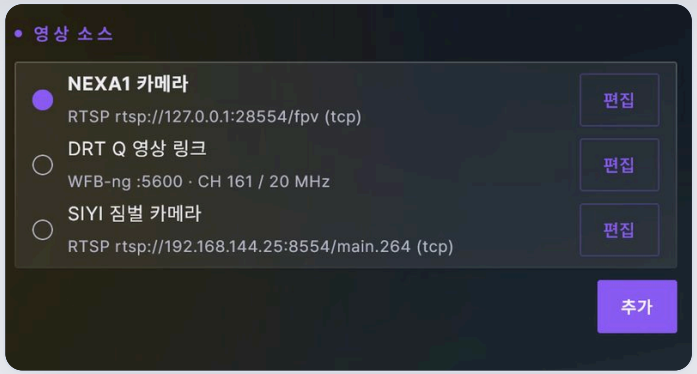
Card per vehicle — Status · battery · mode, color-coded markers and tracks

Command target — Active, selected or all. Risky commands go to the active vehicle only.

Video per vehicle · Voice — Source per vehicle and camera, voice alerts for battery, link and warnings of off-screen vehicles

Video sources — WFB-ng (OpenIPC) direct reception · RTSP · UDP cameras, recorded at original quality without re-encoding





Four vehicles connected / video source list · RTSP · WFB-ng

CONNECTIONS · DRT AIRCRAFT

Optimized for DRT aircraft, complete for standard aircraft.

Connect a NEXA1, DRT Q or DRT T and the screens and settings for that aircraft are added automatically, while the general features stay.

Automatic recognition

The vehicle reports its model, nothing to select. The vehicle summary lists model, smart serial, sensors, safety and power.

Per-aircraft settings

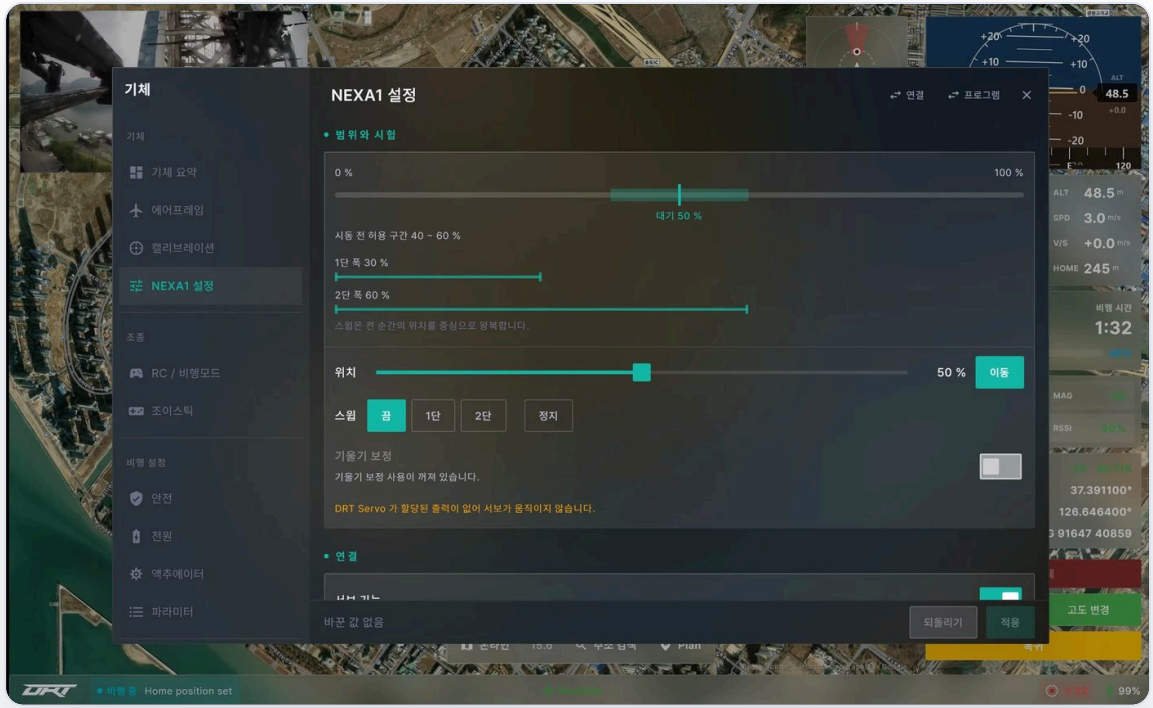
A settings tab for cleaning work on NEXA1, the feel editor on DRT Q, and more dedicated screens.

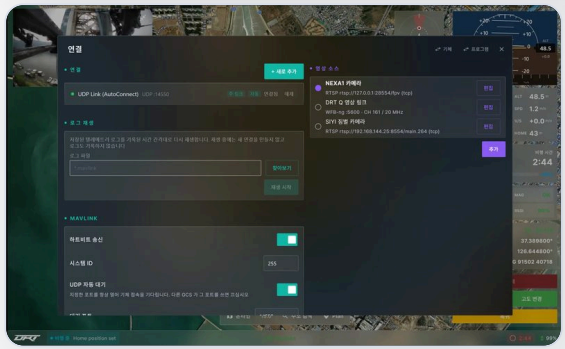
Supported links

USB (auto-detected) · UDP · TCP · Bluetooth

Multiple links

A dropped primary link hands over automatically, and MAVLink signing protects control commands.







Windows · NEXA1 settings tab / links tab · multiple links / vehicle summary · smart serial

Specifications

PLATFORMS	
Android	Android 8.0 or later controllers and tablets MK15 · RC7 · UniRC 7 and more · pre-installed on DRT aircraft package controllers
Windows	Windows 10 or later, 64-bit Installs without admin rights · automatic updates
Languages	Korean · English · Japanese (screens · warnings · voice alerts)

AIRCRAFT · LINKS	
Aircraft	PX4 · MAVLink vehicles DRT aircraft (NEXA1 · DRT Q · DRT T) recognized automatically, dedicated screens and settings
Links	USB (auto-detected) · UDP · TCP · Bluetooth
Multiple links	Automatic handover when the primary link drops · MAVLink signing · forwarding to other software (Windows)
Multi-vehicle	Card per vehicle · command target selection · video per vehicle (Windows)

VIDEO	
Codecs	H.264 · H.265, our own video pipeline
Sources	RTSP · UDP cameras WFB-ng (OpenIPC) direct reception with a USB receiver (Windows)
Recording	Original quality without re-encoding · playback on the controller

Screens are real app screens. Layout may differ by release.

MAP · AIRSPACE	
Online maps	Satellite and label maps, areas seen once are saved for offline reuse
Own maps	GeoTIFF · COG aerial imagery, automatic stitching, overlay and 2- or 4-way split (Windows)
Airspace	No-fly, control and restricted zones by color, name and class, offline data
Address search	Road names and partial numbers, offline address data (Windows)

MISSIONS (WINDOWS)	
Mission types	Waypoints · survey area · corridor · structure scan, automatic paths
Safety · Preview	Geofence and rally point upload, distance · time · battery estimate, .plan save and reload

SETTINGS · OPERATION	
Parameters	More than 1,000 · groups · search · diff before applying · motor and servo test
Quick setup	Presets per aircraft · collision prevention distance · altitude limit · controller and joystick wizard
Safety display	Obstacle distance ribbon · warning popups · voice alerts · thrust load monitor · link loss handling
Records	Remote updates · automatic flight records · flight log download · log replay (Windows)

Thank you

WEB drtdrone.com

MAIL drt@drtdrone.com