HEISHA

Builds mansions for robots

One-stop robot mansion provider

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Standard products

➢ DNEST5

02
Innovations

➢ Canopy series
➢ Cabinet series
➢ Vehicle-mounted series
➢ Container series

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Standard products

Mass production

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DNEST5

1. Structure

2. Specifications

3. Key functions

4. Software

5. Controlling ways

6. Price/ productivity/ certificates

01

D80 Hardware + Heisha Software

Heisha API

1.2. D80-Specifications

Weight	85kg
Size (open)	1067*890*510
Size (close)	1067*890*934 mm
Max. power	450W
IP rating	IP55
Charging time	40 mins
Charging protections	Over-current, overvoltage, anti-reverse connection
Input voltage	AC100~240
Working temperature	-20℃~55℃
Compatible drones	M2\M3E\Mini\Autel/Air 2
Open protocols	MQTT/MODBUS RTU
AC type	Compressor (PTC optional)
Internet	Ethernet/ 4G
Apps	FreeSky、FlytNow、DNEST4

1.3. D80-Key functions

◆ **Stable performance**: 1. Passed various professional certifications, CE, FCC, reliability certification. 2. Comprehensive upgrade to the 4th generation, solving more than 100 bugs in various scenarios. 3. More than 1,000 sets have been in service, and a single set has been in service for more than 3 years.

◆ **Strong compatibility**: 1. Supports M30 and Mavic 3 industry advanced versions, can be expanded to support Autel, open source drones of similar size

◆ **High openness**: Open SDK connection, open drone SDK connection, fully open hardware interfaces

◆ **Intelligent temperature control**: physical air duct direct blowing to battery, 3-way temperature monitoring, intelligent control, heating module can be expanded for extremely cold environments

◆ **Robust structure**: 1. Single-axis rotation, rain and snowproof, has been verified in extreme cold weather; 2. Flexible fixing method

◆ **Support 5G network access**: 1. The drone dock can access the network independently; 2. Support 4G and 5G; 3. Support other terminal network access needs

◆ **Remote diagnosis system**: 1. Built-in 8-channel sensors to monitor equipment status; 2. Each operation action has status feedback
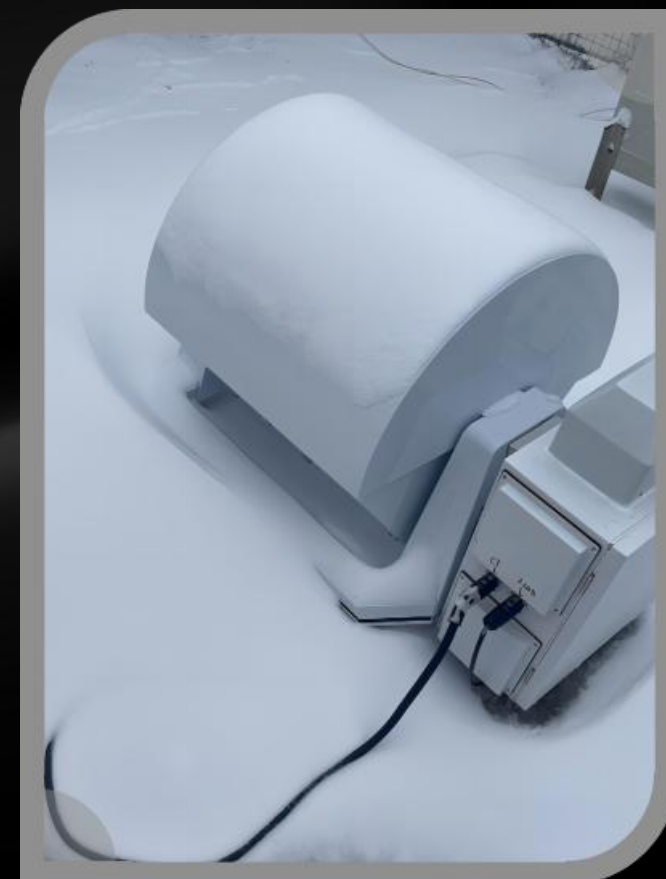
1.4. DNEST5-software

- KML flight route update
- Point-to-point flight
- Remote manual flight
- Multi-scene application
- Result management
- Waypoint flight plan

Heisha API

1.5. DNEST5-controlling ways

Local + tablet

Remote + large monitor

Remote + tablet

1.6. D80-Productivity & certificates

🪙 Price: $4,880

🔧 Productive capacity：200 units/ month | In stock: 10 units

🤝 Delivery time：45 days ｜ Sample delivery time: 3 days

🔨 Batch delivery time: 45 days for 200 units

🏅 Certificates：CE FCC RoHS

Inovations

Robot mansions

● ● ●

2.1 Canopy series

    2.1.1 D135

2.2 Cabinet series

    2.2.1 MINI DOCK

    2.2.2 D400

    2.2.3 R80

    2.2.4 R50

    2.2.5 R100

    2.2.7 R80 BOAT

    2.2.8 R40s

    2.2.9 DBox

2.3 Vehicle-mounted series

    2.3.1 DCAP

    2.3.2 DCAP Pro

2.4 Container series

    2.4.1 V200 VTOL drone

    2.4.2 L200 Cargo drone

    2.4.3 F400 Fixed-wing drone

    2.4.4 V400 Humanoid robot

02

Innovations & leading

● Patents and National high-tech enterprise certificates
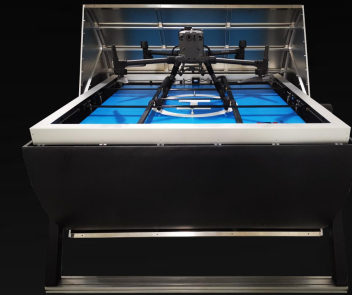
The first canopy type of drone dock
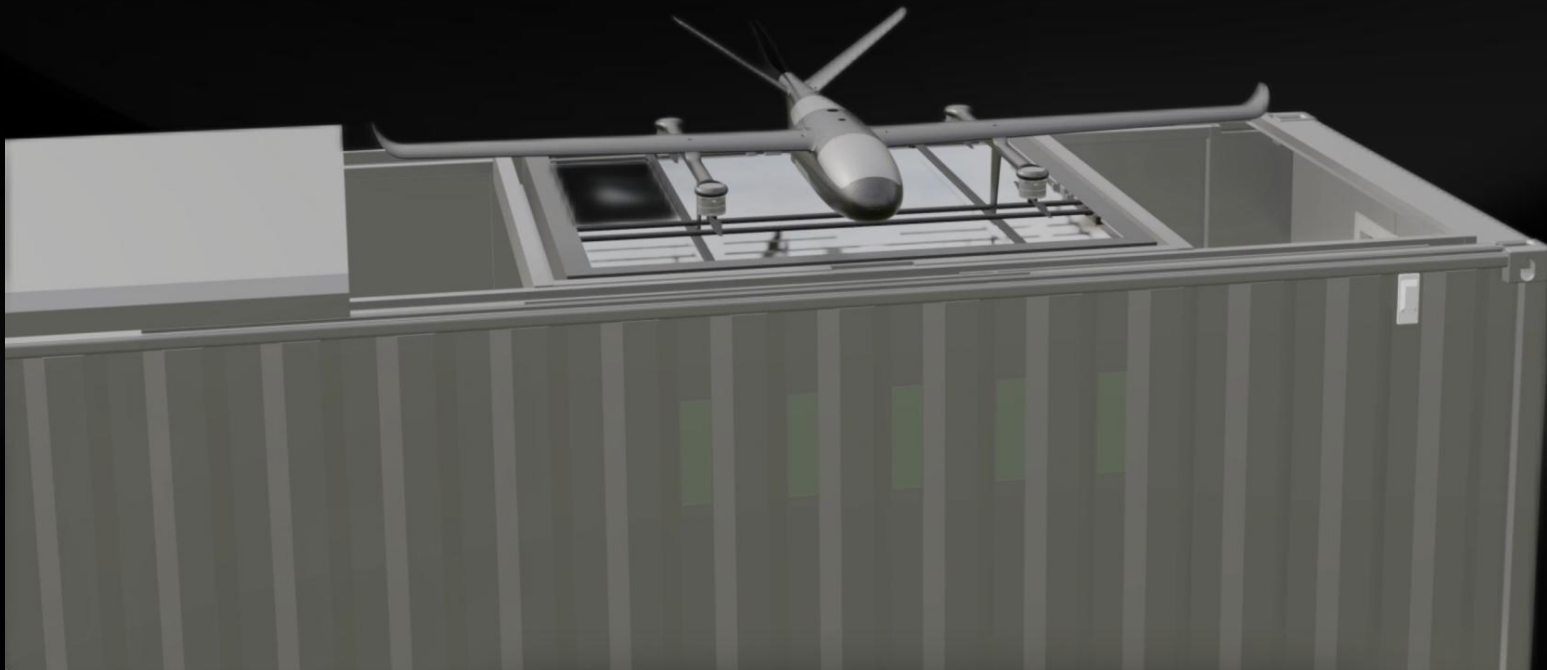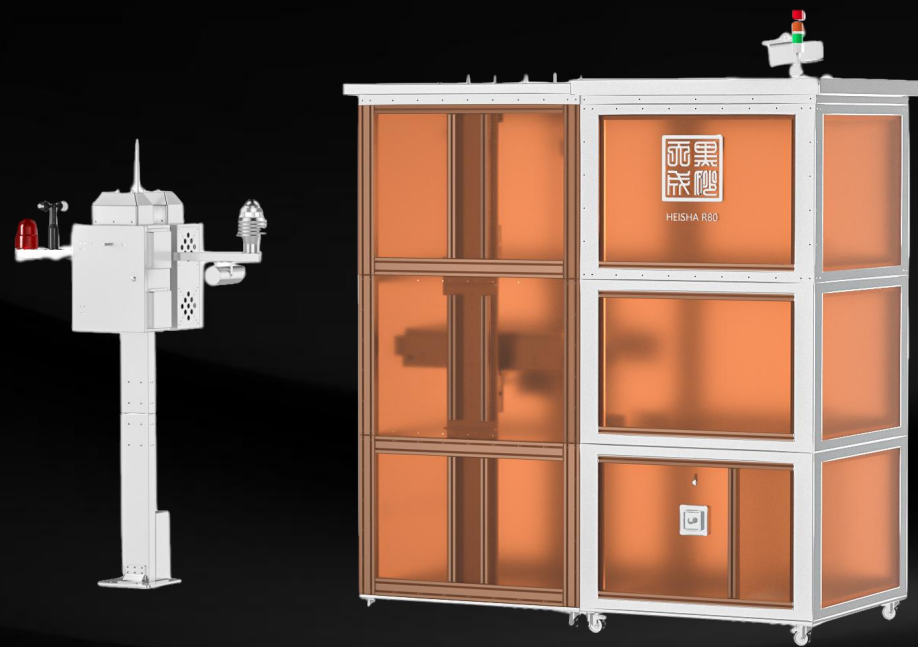
For D50
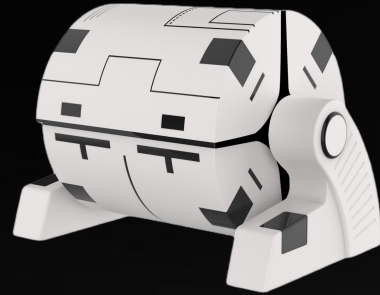
For D60

For D80

For D135

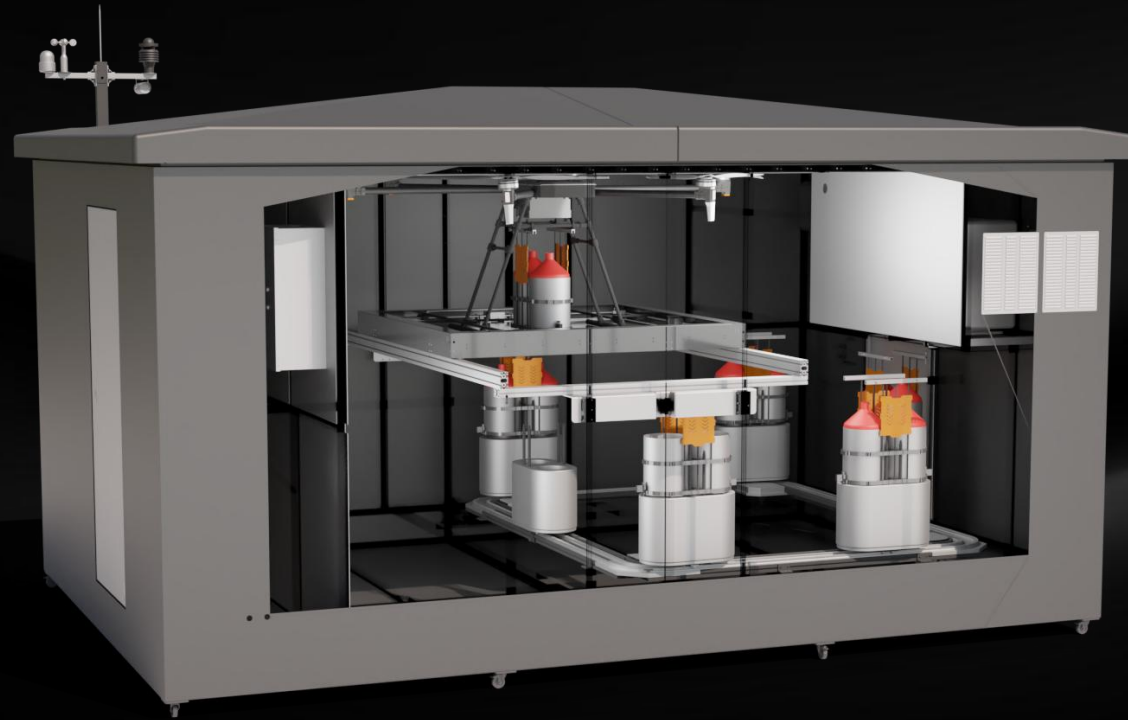- Four main canopy type of drone docks from HEISHA for different size of drones: D50, D60, D80, and D135.

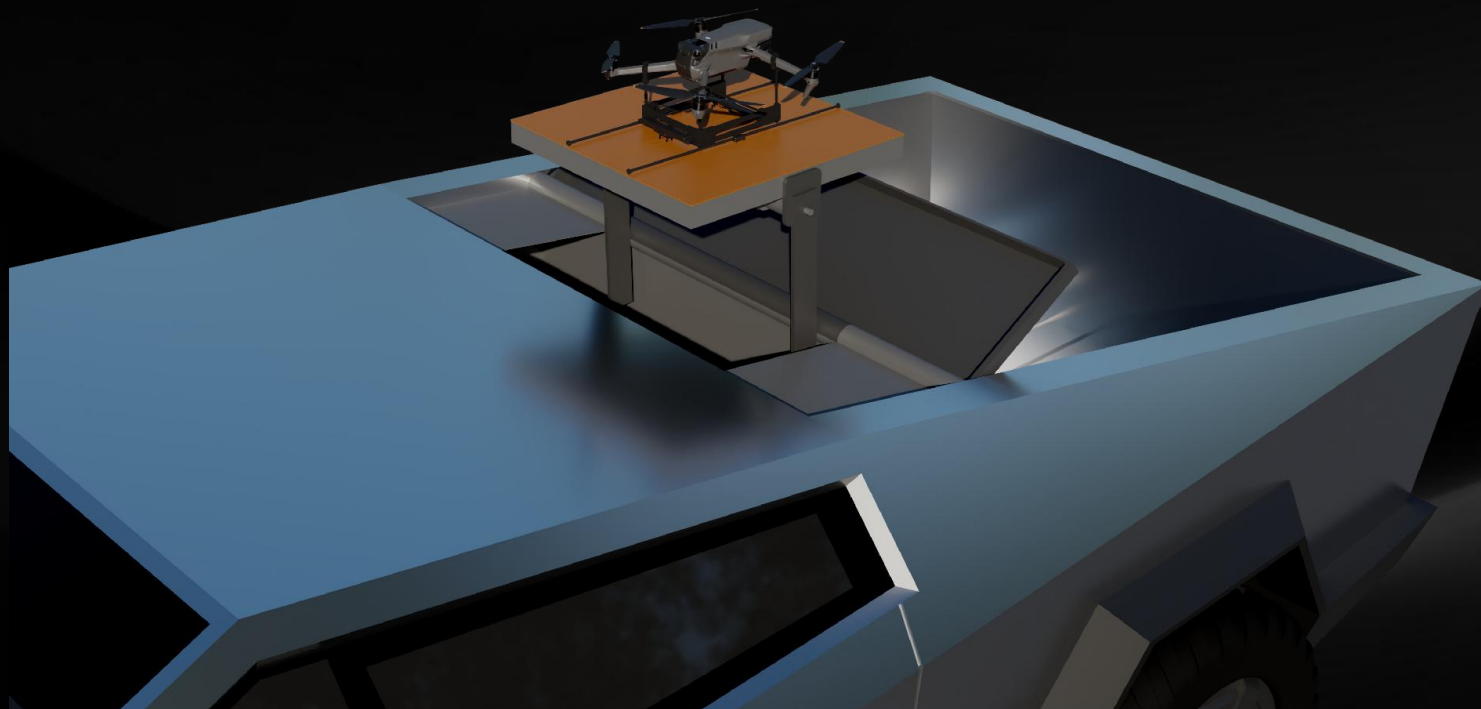The first container type of drone dock

The first multi-floor drone dock

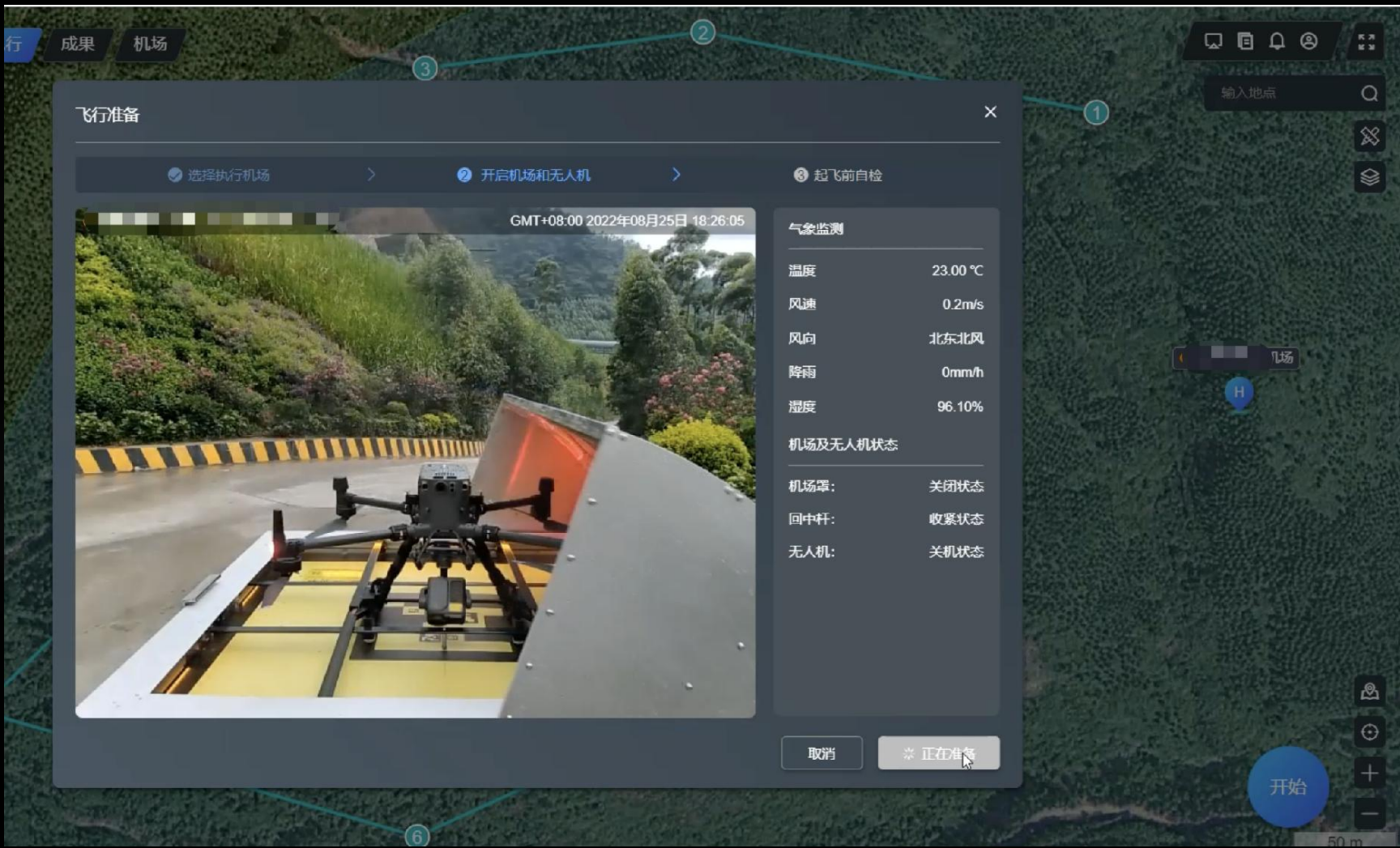The first firefighting drone dock

The first drone airport

The first drone dock for Tesla Cybertruck

The first independently released BMOS in the drone
dock industry

The first remotely controlling system for no-SDK robots

The first Q100 remotely maintenance system

Homepage | Maintenance | Communication status | Message center | Change password | Logout

Gateway | Canopy | Charge bars | **Charge** | Air conditioner | Remote control | Weather station

« Stow away

Connection status
Online

Battery type	Charging status
4S	**Not charged**

UAV status	UAV status
No	**Power off**

Charging voltage	Charging current
17.6	**0**

Current charging temperature	Accumulated charging time
28.6°C	**0**

Battery capacity

0

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Alarm information

Error Code:102

Error Code:101

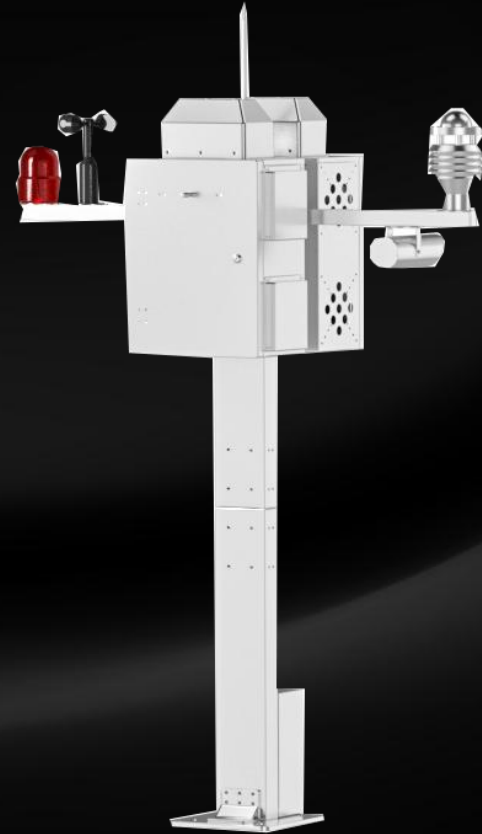Error Code:2

Error Code:1

Error Code:3100

Error Code:3000

- The first M300 charging solution provider

- The first MAVIC charging solution provider

- The first MINI charging solution provider

2.1.1 D135-Specifications

Weight	400kg
Size (open)	1645*1290*880 mm
Size (close)	1645*1290*1575 mm
IP rating	IP55
Charging time	60 mins
Working temperature	-20℃-65℃
Max. power	1200W
Charging protections	Over-voltage, over current protection
Input voltage	AC100~240
Compatible drones	M300 M30
Open protocols	MQTT/MODBUS RTU
AC type	Compressor (PTC optional)
Internet	Ethernet/ 4G
Apps	FreeSky、FlytNow、DNEST4

2.1.1 D135-Highlights
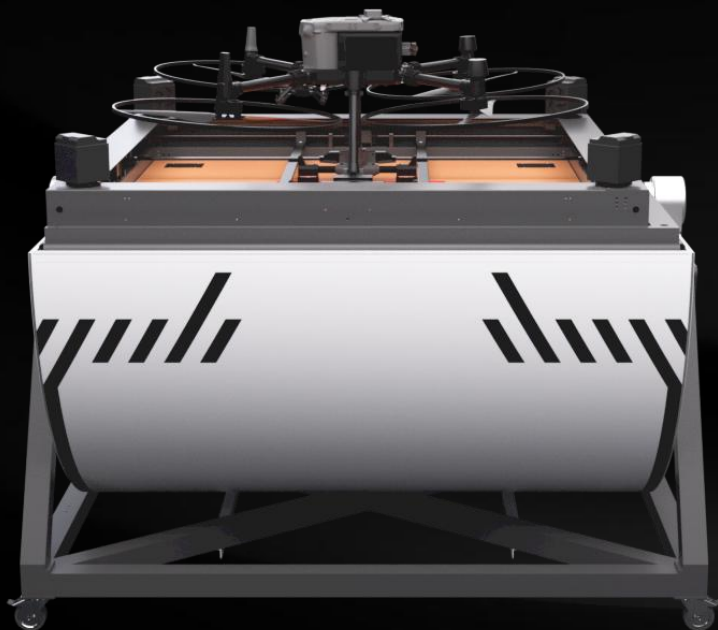
★ 6s-12s compatible

★ Robust industrial-level structure

★ Highly open

★ Remotely restart & maintainance

★ Real-time status monitoring

★ Stable performance, over 1,000 units are on active service

★ Stable productive capacity

2.1.1 D135-Compatibility

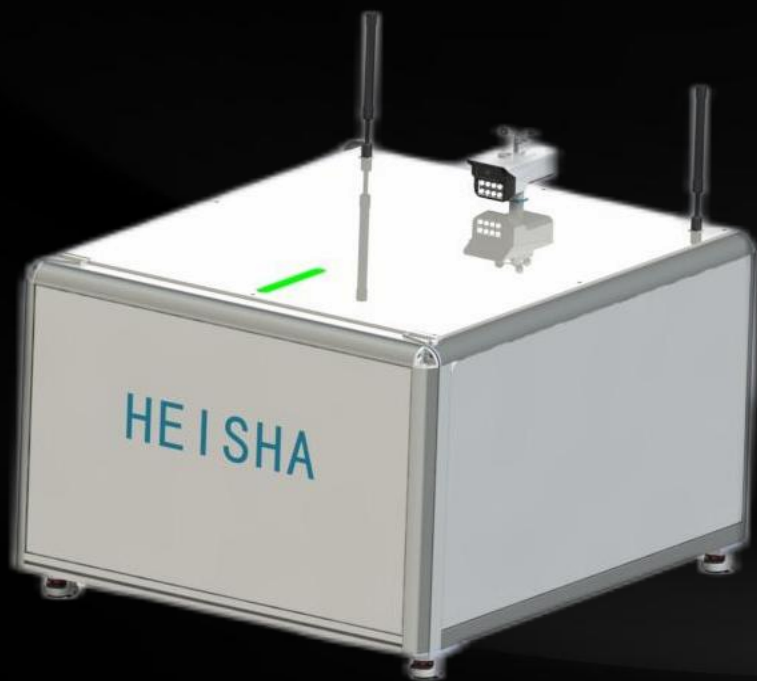M300 & M350

M30

2.2.1 Mini Dock--Cabinet series

★ 2s-4s widely compatible

★ Simple structure

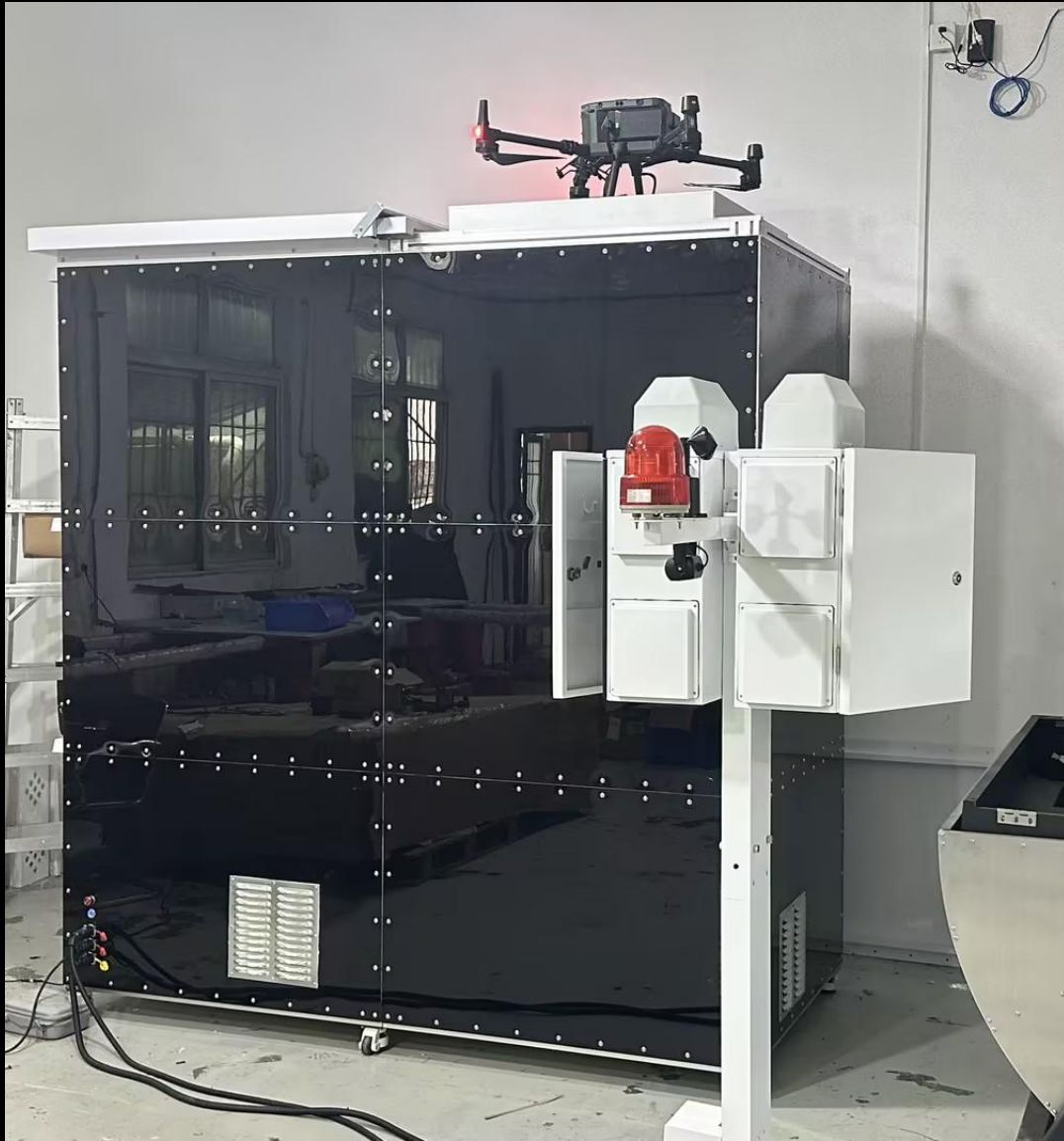★ Cost-efficient

★ Compact, light weight

2.2.2 D400

- Automatical fire grenade swapping

- Charging protection

- Compatible with any drone docks

- Intelligent temperature control

- Open SDK

- IP64

- Weight 75kg

- Cost efficient

- Charging protections

- Smart temperature control

- Compatible with drones & robots

- Open SDK

- Multi-floor, strong expansion capacity

- Strong signal receiving performance

- Charging protections

- Smart temperature control

- Multi-drones control

- Open SDK

- Multi-floor, strong expansion capacity

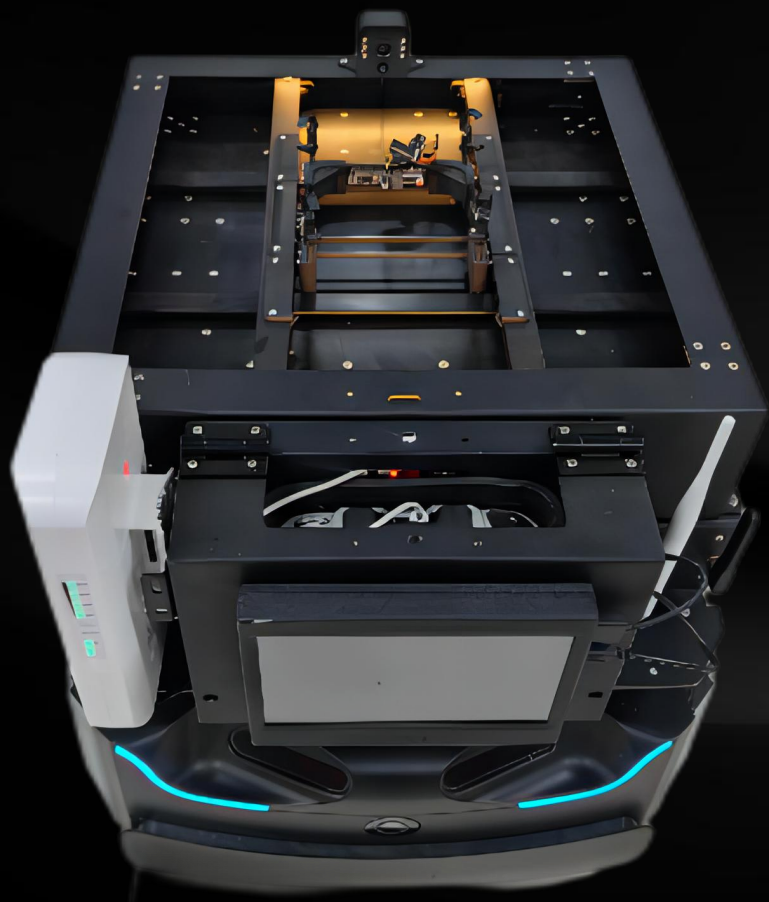- Strong signal receiving performance

2.2.7 R80 BOAT

- Size: 136*116*200cm
- Weight: 250kg
- Smartly release the boat & wireless recharge it
- Above floor is compatible with M300, M30, M350 for patrolling
- Compatible with 2S-12S drones, safe charging with self-adaption of the voltage
- Easy to deploy
- Available for open SDK

2.2.8 R40s-Warehouse management

- Size：40*40cm

- Weight: 45kg

- For indoor warehouse inspection

- Compatible with Mavic3, Mavic3 enterprise, Mini 3, Air 2s

- Easy to deploy

- Available for opening SDK

2.2.9 DBox-Drone battery charging box

- Size：1200*650*280mm

- Weight: 35kg

- Vehicle-mounted structure

- Compatible with Mavic3

- Detachable mobile bettery

- Visible bettery status monitor

- Basic version available (charge 12 batteries)

- Customizable for other drone batteries

2.3 Vehicle-mounted series

- DCAP CT

- DCAP PRO

2.3.1 DCAP CT- For Tesla Cybertruck

Size：32*30*97cm

Weight：85kg

Material：stainless steel

Power：DC 24V

✓ One-key preflight preparation

✓ One-key charging

✓ HD video streaming

✓ Manual flight

✓ Gimbal control

● Upgrade to charging for M30

● Upgrade to smart landing gear

2.3.2 DCAP Pro industrial-grade car rooftop drone dock

- Size：120*95*17cm Minimized height for driving convenient

- Compatible with 2S-4S drone, smart charging with self-adaption of voltage

- Easy to deploy

- Available for opening SDK

- Remotely control and upgrade the firmware

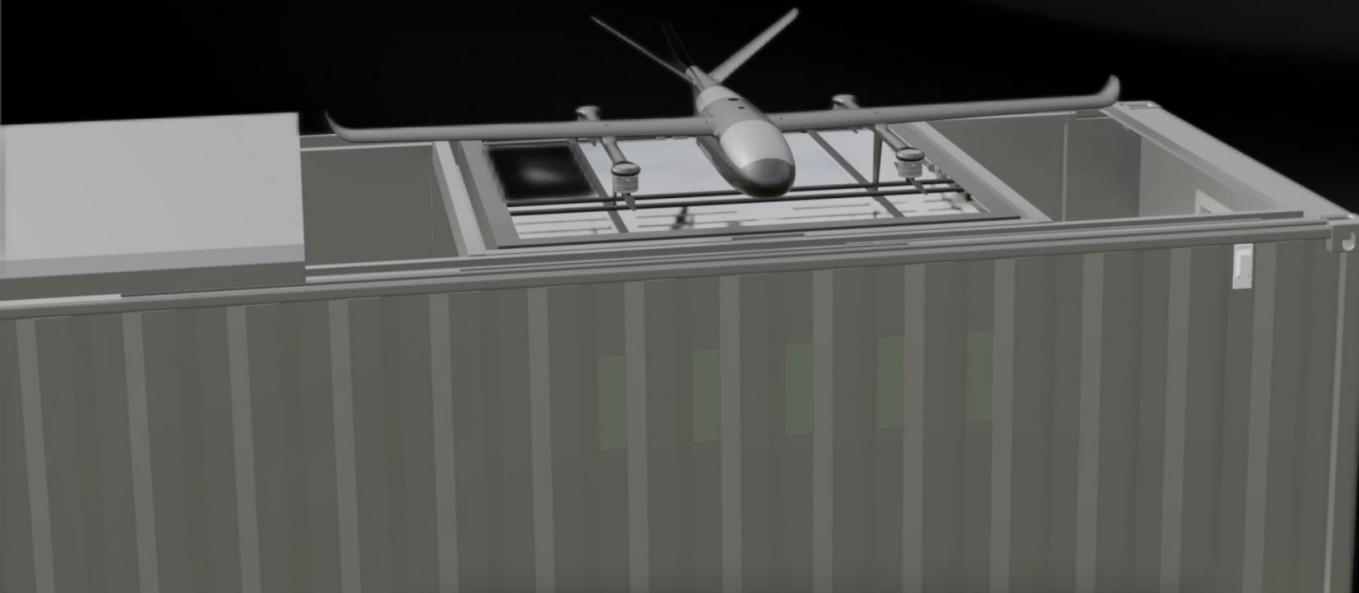- Materials: aluminium alloy

- Weight: 99kg

- Easy to transport
- Easy to deploy
- Fast charge (Standard 120 mins)
- Charging protections
- Open SDK
- Cost efficient
- Easy for batch production
- Convenient for shipping by sea

2.3.2 L200 Cargo drone dock

- Easy to transport
- Easy to deploy
- Fast charge (standard 120 mins)
- Charging protections
- Open SDK
- Cost efficient
- Easy for batch production
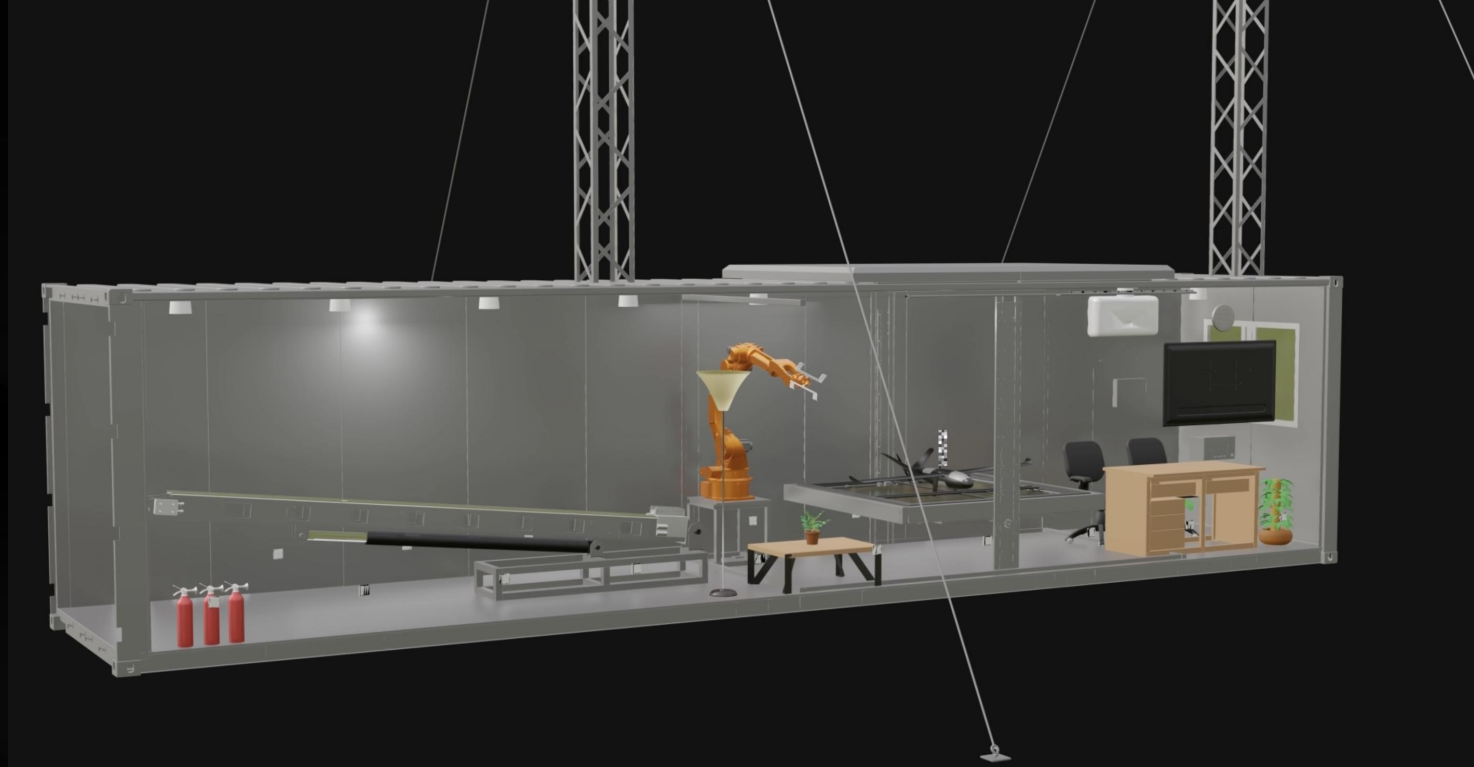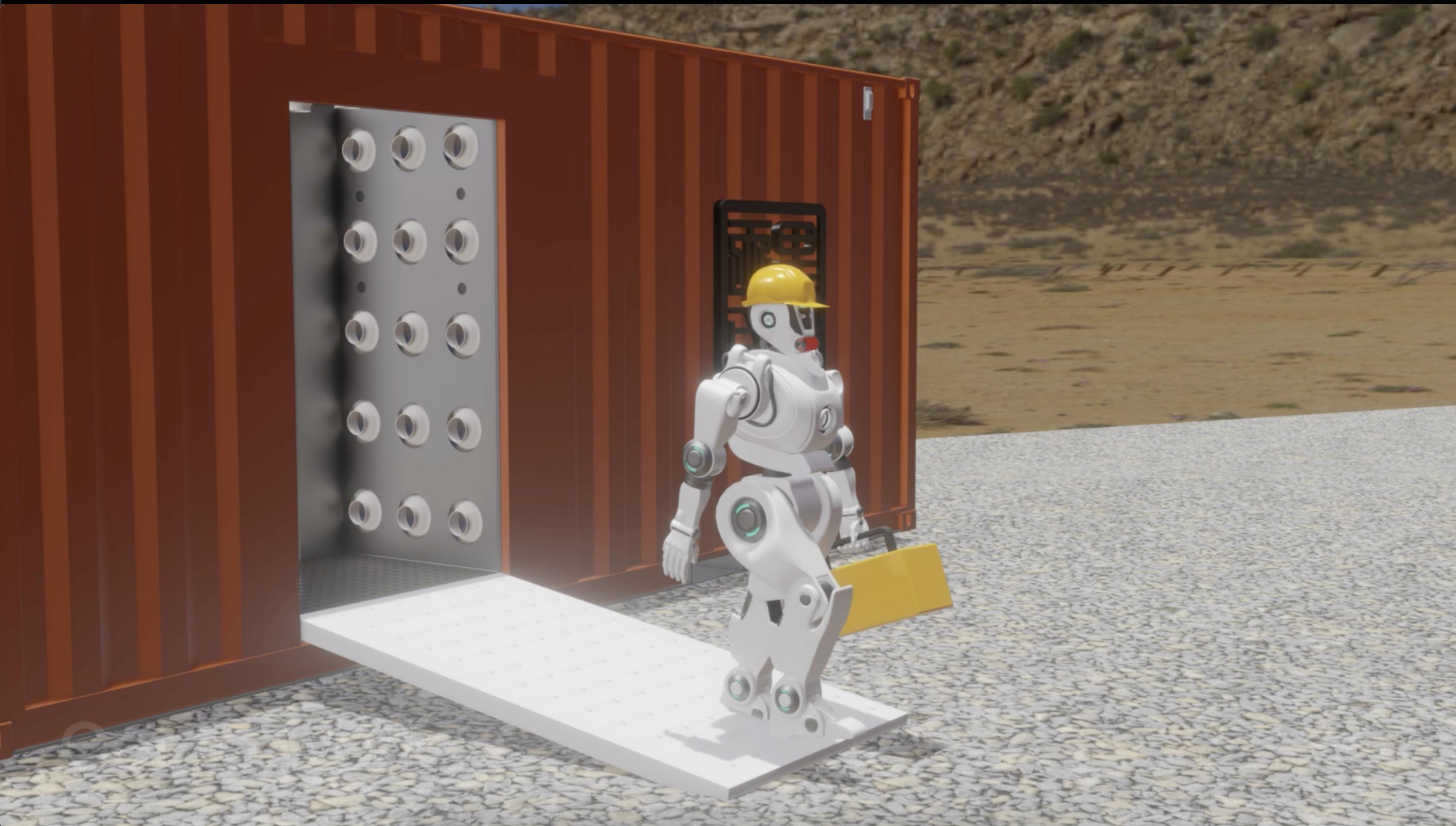- Convenient for shipping by sea
- 20 feet standard container

2.3.3 V200-FIXED WING

- Easy to transport
- Easy to deploy
- Charging protections
- Open SDK

- Cost efficient
- Easy for batch production
- 40 feet standard container

2.3.4 V200- Humanoid robot charging station

- Powered by solar panels
- Mature electricity storage solution
- Easy to transport
- Easy to deploy
- Charging protections
- Open SDK

- Cost efficient
- Easy for batch production
- 20 feet standard container

For developers

For autonomous drones & robots

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3.1 Key components

  3.1.1 Auto-charging boards

  3.1.2 ACK

  3.1.3 Landing gear

  3.1.4 T3 weather station

阶梯价格

3.2 Expansion (SDK, API, BMOS**)**

  3.2.1 SDK

  3.2.2 API

  3.2.3 BMOS

03

3.1.1 Auto-charging boards

D60 | D80 | D135

Custom auto-charging board

- Size 40cm*40cm to 4m*4m

- Custom wireless charging

- Revolvable centering board

- Shake-proof fasten for vehicle-
  mounted version

- Magnetic fasten

- Gravity type of centering

3.1.2 ACK-Autonomous Charging Kits

Mavic3 | M30 | M300 | M350

Remotely autonomous charger

- 2S-4S
- 4-16S
- M300/M350/M30 automatic charging
- **Custom the autonomous safe charging solution for different robots**

3.1.3.1 Charging landing gear
- standard products

- DJI MAVIC2 landing gear
- DJI MAVIC3 landing gear
- DJI M300/M350 landing gear
- DJI MINI3 landing gear
- Autel EVOlanding gear
- PARROT ANAFI landing gear
- SKYDIO landing gear
- Yuneec XXXlanding gear

3.1.3.2 Charging landing gear -custom products

- Open source charging landing gear for multi-rotor drones

- Open source charging landing gear for VTOL fixed-wing drones

3.1.4 T3 weather station

- Drone control tower

- Windspeed, rain gauge, sound and light alarm, monitoring camera

3.2 Expansion

- SDK：SDK resolution and connection, real-time video streaming

- API：One-stop remote control dock, drone, related hardware and sensors, and unified development interface for video streaming.

- BMOS：Robot mansion operating system
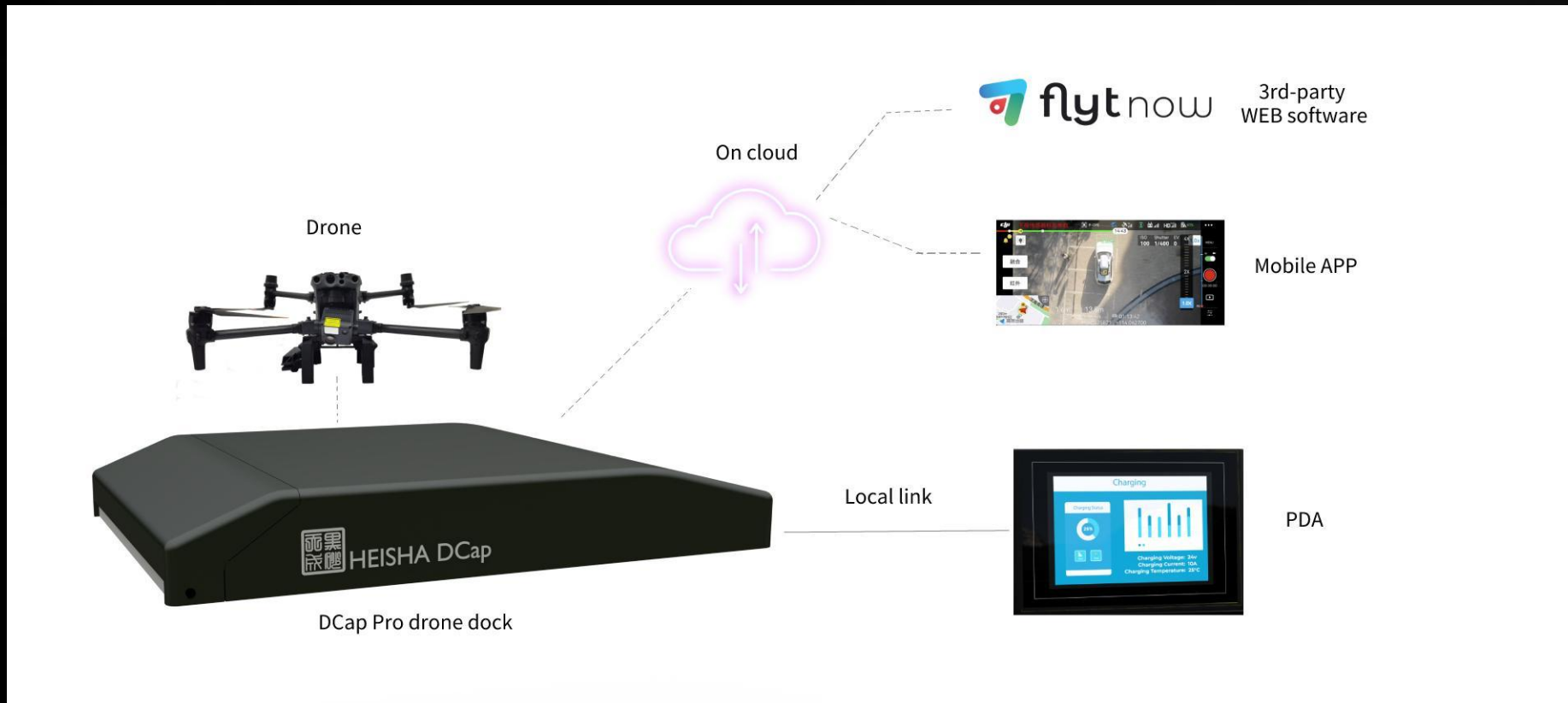
About HEISHA

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04

- ◆ Global footprint

- ◆ Partners

- ◆ Press release

Global footprint

Partners

Press release

HEISHA, builds mansions for robots