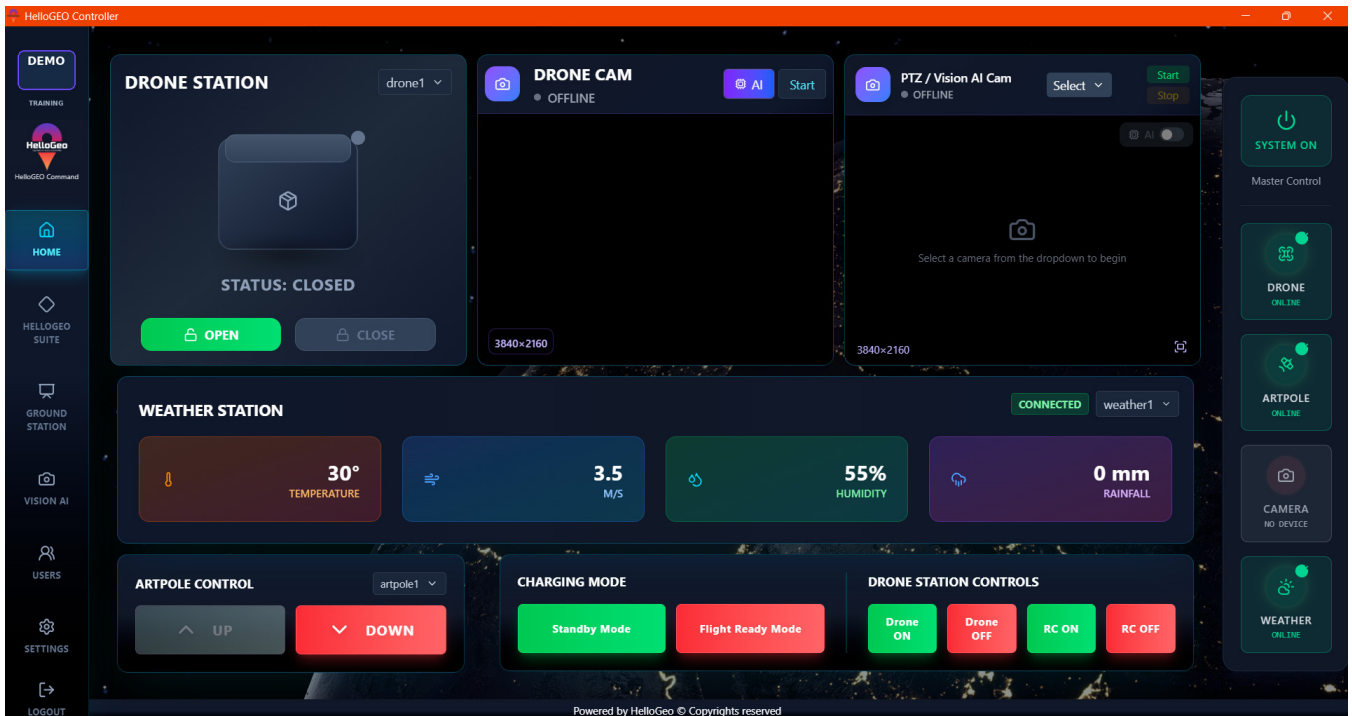




PRODUCT PUBLICATION / EDITION 1.1

HelloGeo Control Centre

Operator Handbook & Product Book



A unified operations console for drone stations, PTZ cameras, weather systems, Artpole and AI vision.

CONNECT Devices + network	CONTROL Hardware + cameras	DETECT AI vision + reports
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HG-CTRL-HB-1.1 | UI baseline August 2026 | Publication-ready 30 August 2026
For Control-room operators, site supervisors, AI-vision teams, administrators and authorized partners

DOCUMENT GOVERNANCE

Publication control and permitted use

The editable master is controlled; authorized issued copies are exported only after release approval.

FIELD	CONTROLLED VALUE
Document ID	HG-CTRL-HB-1.1
Edition	1.1 / UI baseline August 2026
Owner	HelloGeo Product Engineering & Documentation
Classification	Controlled editable publication master / authorized distribution
Distribution	DOCX: internal controlled master; tagged PDF: authorized publication copy
Review trigger	Major UI release, safety-impacting change, regulatory change or 12-month review
Support	support@hellogeo.world

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OPERATIONAL	This guide supports trained personnel; it does not replace aircraft manuals, site procedures, risk assessments, airspace authorization, local aviation rules or emergency instructions. The operator in command remains responsible for every live action.
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STATUS	Training captures in this edition use sanitized identities, TEST-NET addresses and neutral project data. Printed copies are uncontrolled; confirm the document ID, edition and current release manifest before relying on a procedure.
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RELEASE RECORD	CONTROLLED ENTRY
Revision	1.1 · 30 August 2026 · publication hardening and review actions implemented
Review	Product Engineering, QA, Safety and Privacy/IP roles; evidence retained in the release register
Approval	External issue requires the authorized HelloGeo Release Owner to record approval
Status	Publication-ready editable master

[HelloGeo website](#) | support@hellogeo.world

CONTENTS AND READING PATH

Table of contents

Follow the route that matches the task; use the final governance page before live or customer-facing work.

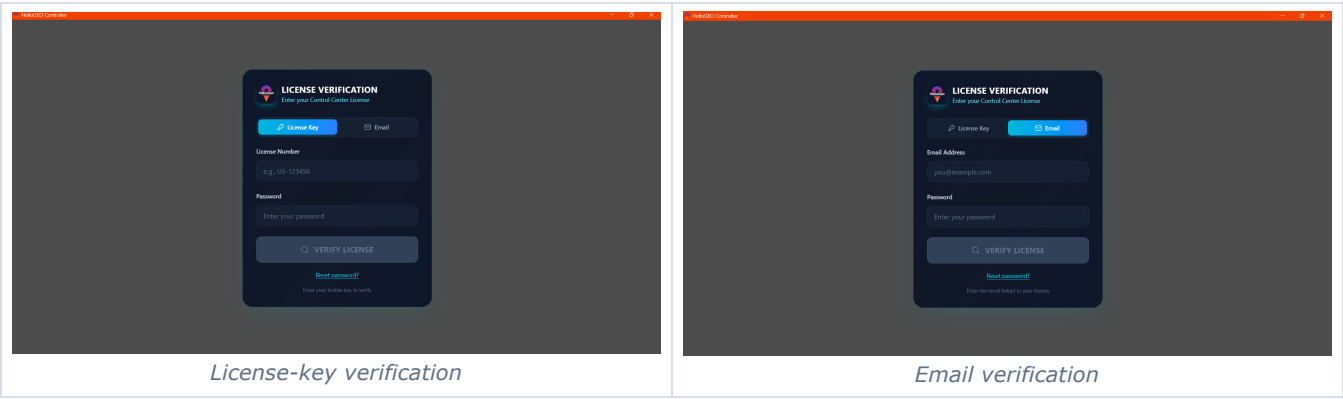
NO.	SECTION	PAGE
01	Sign in and establish identity	4
02	Configure devices before operation	5
03	Set weather limits and use Master Control	6
04	Operate the Home hardware panels	7
05	Use Ground Station and connected modules	8
06	Use AI Vision on the drone feed	9
07	Configure PTZ AI features	10
08	Review galleries, reports and Train AI	11
09	Manage users and permissions	12
10	Assign devices and maintain license state	13
11	Run safely and troubleshoot with evidence	14
12	International alignment and release controls	15
13	Publication readiness, compatibility and support	16

OPERATOR Start with workflows	ADMIN Add control pages	SUPPORT Capture evidence
READING RULE	UI labels are written as they appear in the August 2026 baseline. If a later release changes a label or sequence, stop and verify the current release note rather than guessing.	

CONTROL CENTRE / 01 / ACCESS

Sign in and establish identity

Use either the issued license key or the email linked to the license.



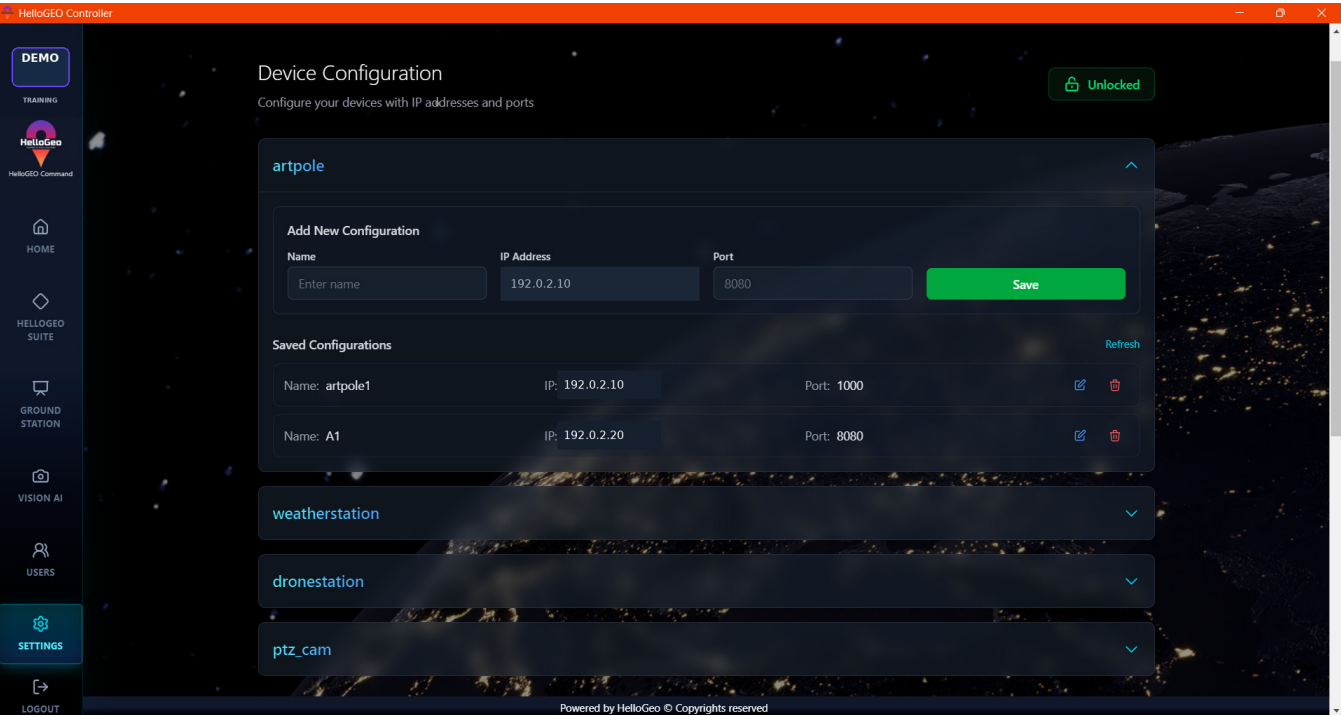
- 1. **Choose method** - Select License Key or Email according to the issued account.
- 2. **Authenticate** - Enter the assigned identifier and password; use Reset password when authorized.
- 3. **Confirm** - Verify user identity, license status and permitted site before opening operations.

CREDENTIAL SAFETY

Do not publish demo credentials or capture production passwords in screenshots. Treat license keys as controlled account information.

Configure devices before operation

Register every hardware endpoint under Settings before expecting a live control.



Device Configuration with documentation-only TEST-NET endpoints and saved entries.

4. **Open** - Go to Settings and Device Configuration.

5. **Select type** - Expand Artpole, weatherstation, dronestation or ptz_cam.

6. **Enter** - Add a recognizable name, approved IP address and port.

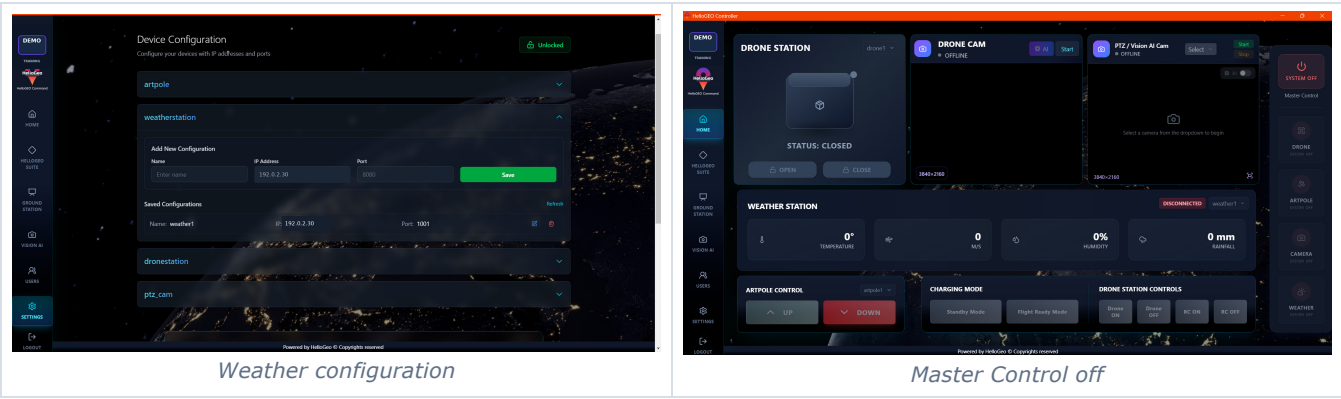
7. **Save** - Confirm the new endpoint appears under Saved Configurations.

8. **Refresh** - Reload after a device-side change and verify status without sending commands.
- NETWORK CONTROL

Use approved addresses, segmented networks and controlled changes. A reachable endpoint is not proof that it is the intended device.

Set weather limits and use Master Control

Weather Configuration defines alert thresholds; Master Control is the operational enable boundary.



- 9. **Set thresholds** - Define approved limits for temperature, rainfall, humidity and wind.
- 10. **Review site** - Compare live readings with the flight plan and aircraft limits.
- 11. **Hold off** - Keep Master Control off while hardware identity, staffing or conditions are uncertain.
- 12. **Enable** - Turn Master Control on only after the operating team confirms readiness.

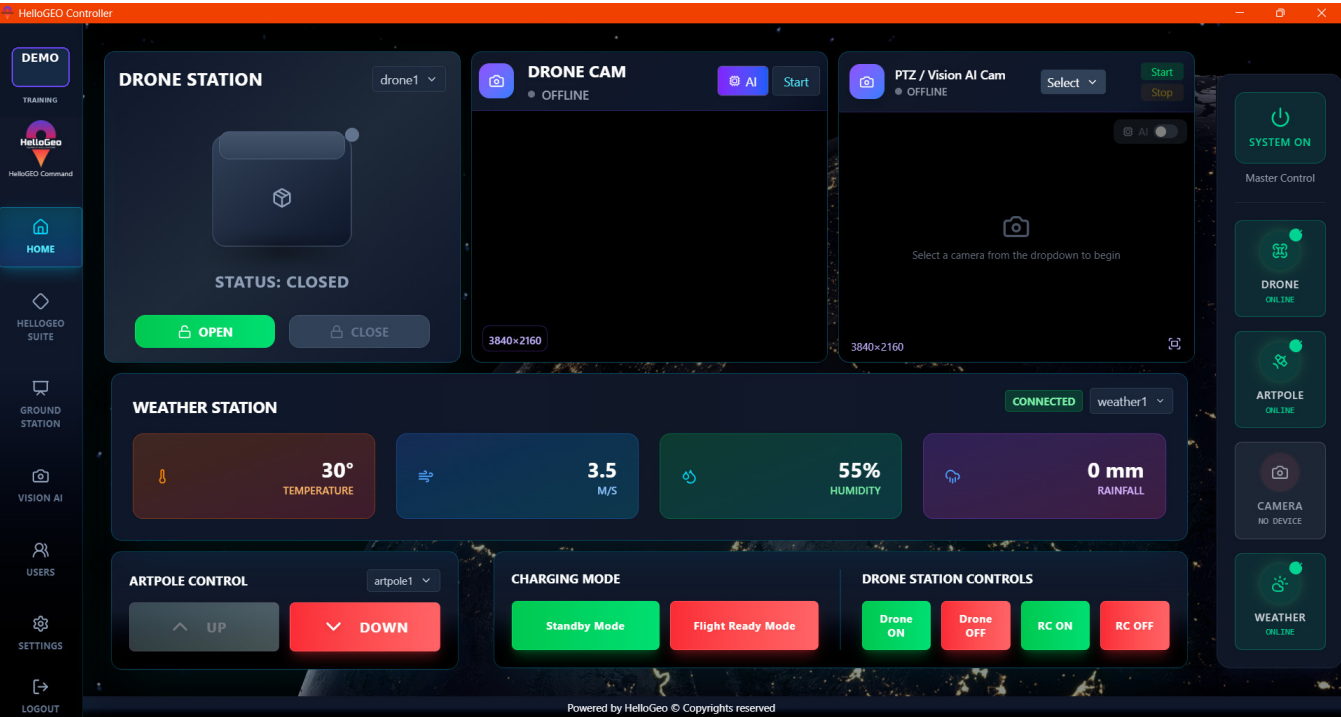
MAIN BREAKER

With Master Control off, panels show SYSTEM OFF and reject commands. This is an intentional safeguard, not a fault to bypass.

CONTROL CENTRE / 04 / OPERATIONS

Operate the Home hardware panels

When enabled, status chips and controls expose the configured Drone Station, cameras, Artpole and Weather Station.



Master Control on with live hardware panels and controls.

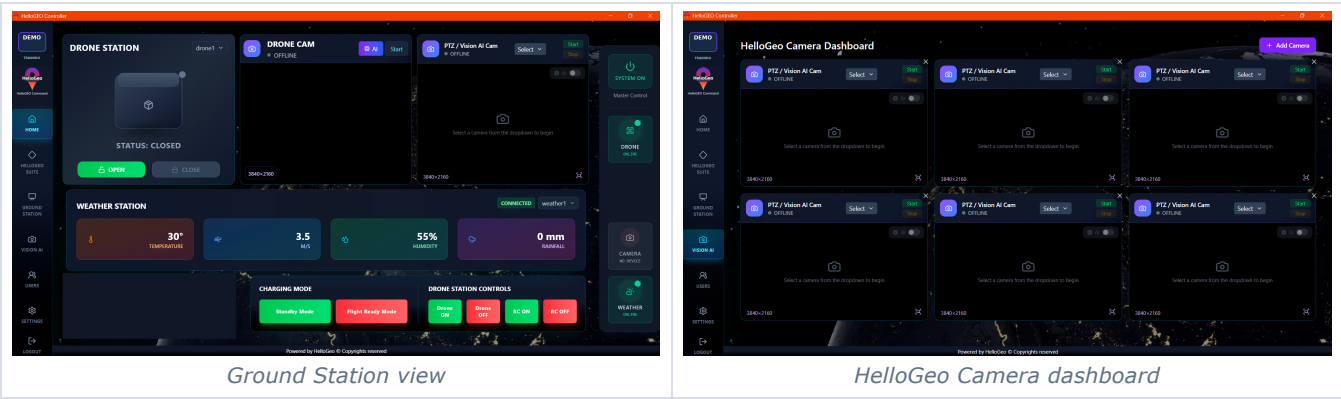
PANEL	AUTHORIZED FUNCTIONS	POSITIVE CONFIRMATION
Drone Station	Dock open/close, drone/RC power, standby/flight-ready charging	Physical state and returned status
Drone Cam	Start feed and open AI Vision	Correct camera and current scene
PTZ Camera	Select unit, start/stop feed and AI Vision	Unit identity, orientation and time
Artpole	Raise/lower/stop where configured	Clear movement area and position
Weather	Read live conditions and alert state	Sensor freshness and threshold source

COMMAND DISCIPLINE	Issue one controlled action, observe the result and confirm the resulting state before the next command.
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CONTROL CENTRE / 05 / MODULES

Use Ground Station and connected modules

Secondary tabs present role-specific views without changing the underlying need for verification.

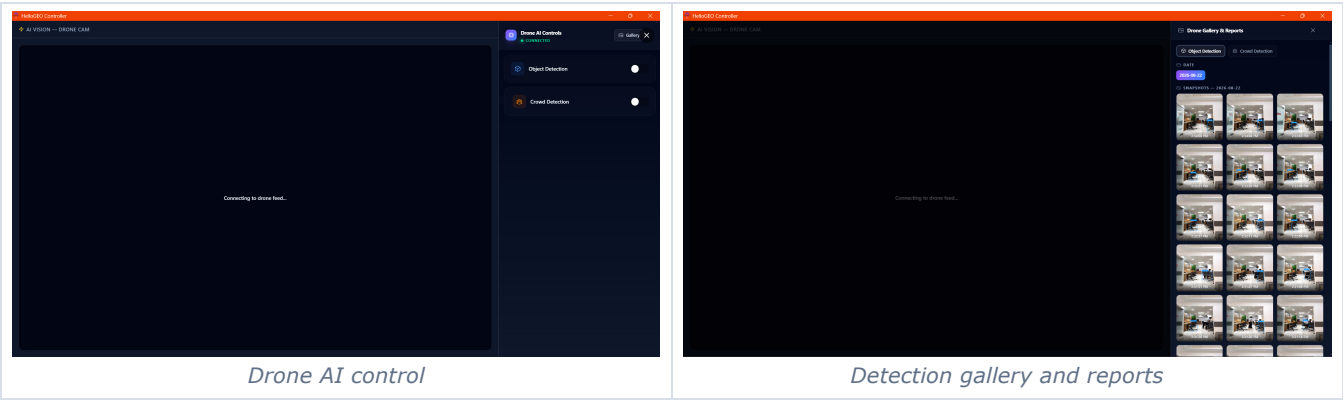


MODULE	USE
Ground Station	Lean launch-site view for drone station, drone camera, weather and assigned PTZ feeds
Vision AI	Camera dashboard for PTZ selection, live feed and AI functions
HelloGeo Suite	Open the project, mapping and processing platform
HelloGeo Remote	Open the remote-access companion when the account is entitled

ENTITLEMENT	A missing module may reflect account entitlement, device assignment or configuration. Do not alter permissions merely to remove an access error.
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Use AI Vision on the drone feed

Drone camera AI provides focused Object Detection and Crowd Detection workflows.

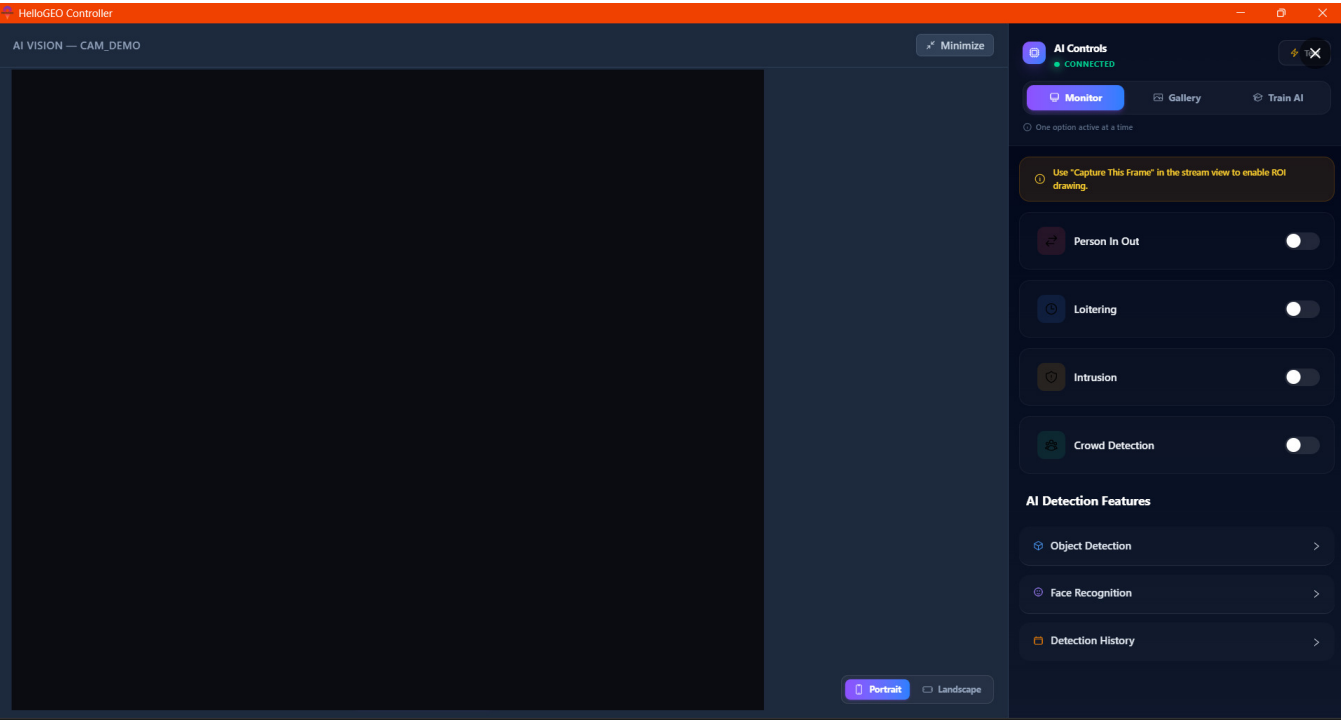


FEATURE	OPERATOR SETS	OPERATOR VERIFIES
Object Detection	Class/target and alert behavior	Box, label, count and scene context
Crowd Detection	Count threshold and optional zone	Headcount, zone, snapshot and alert time

HUMAN CONFIRMATION	AI output is decision support. Confirm detections against the live scene and operating context; record false positives, missed detections and threshold changes.
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Configure PTZ AI features

PTZ feeds add line, zone, dwell and fall-analysis tools to object and crowd detection.



PTZ AI Vision panel with selectable detection features.

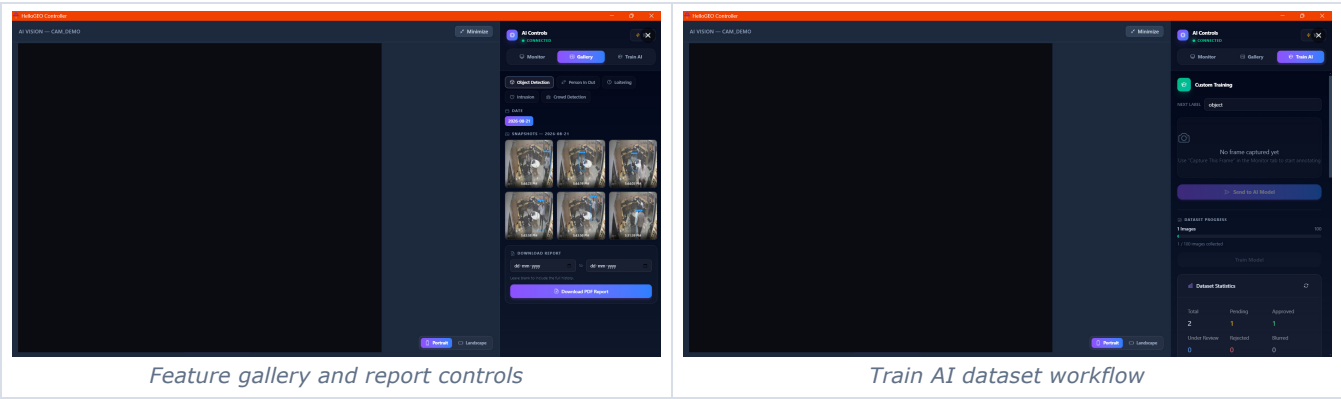
FEATURE	CONFIGURATION	RESULT
Object	Class and detection/alert settings	Boxed objects, counts and snapshots
Crowd	Threshold and optional zone	Crowd alert and evidence
Person In/Out	Directional counting line	Separate entry/exit totals
Intrusion	Restricted polygon/zone	Immediate entry alert
Loitering	Zone plus dwell threshold	Dwell-time alert
Fall Detection	Detection enable and scene validation	Suspected fall event for human review
Face Recognition	Authorized watchlist, threshold, lawful basis and retention	Candidate match for trained human confirmation

ZONE OWNERSHIP	Where functions share a single active zone per camera, document the selected feature, geometry, threshold, owner and validity period before changing it.
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BIOMETRIC RESTRICTION	Use face recognition only under an approved jurisdictional policy with documented lawful basis, authorization, notice or consent where required, retention limits, access logging, false-match and bias testing, and trained human confirmation. Never treat a candidate match as automatic identity determination.
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Review galleries, reports and Train AI

Each AI feature retains evidence; Train AI creates a controlled path for organization-specific data.



- 13. **Capture** - Collect a representative frame without exposing unrelated personal or customer information.
- 14. **Label** - Mark the intended object consistently with the approved class definition.
- 15. **Track** - Monitor dataset progress, source, reviewer and quality checks.
- 16. **Train** - Start model training only after dataset and approval gates pass.
- 17. **Validate** - Test against separate scenes and record accuracy, false positives, misses and operating limits.

EVIDENCE FIRST	Preserve the original frame, label history, model/version, threshold and reviewer decision so an alert can be reconstructed.
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Manage users and permissions

Create named operator accounts, assign only required modules and retain an expiry lifecycle.

 Add New User

Full Name

John Doe

Email Address

john@example.com

Phone Number

+1 234 567 8900

License Key

DEMO-XXXX-XXXX

Password

License Expiry Date

dd-mm-yyyy

Add User

Add New User form shown with neutral training placeholders; production identities and license keys are excluded.

CONTROL	ADMINISTRATOR RESPONSIBILITY
Identity	Full name, unique email and verified phone/contact route
License	Controlled key, approved expiry and secure password onboarding
Modules	Least-privilege access to Home, Ground Station, Camera, AI Vision, Users and Settings
Lifecycle	Review active/expired status and remove access when role or contract ends
Audit	Retain approver, change time, scope and reason

PRIVACY-SAFE PUBLICATION	Screenshots used in this publication exclude the live user list because it contains personal contact and license information.
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Assign devices and maintain license state

Module access and physical-device assignment are separate controls and both must be correct.

CONTROL LAYER	QUESTION TO ANSWER	EVIDENCE
Role/module	Which product areas may this person open?	Approved permission set
Device assignment	Which Artpole, weather station, drone station and PTZ camera may they operate?	Named asset list
License status	Is access active and within the approved expiry window?	License record and review date
Site scope	Which customer, project and location does the assignment cover?	Workspace/site authorization
Change control	Who approved the addition, change or removal?	Ticket, approver and timestamp

LEAST PRIVILEGE	A user who can see a module should still receive only the devices required for the assigned role. Review dormant and expired accounts on a defined schedule.
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EMERGENCY ACCESS	If break-glass access exists, define the trigger, expiry, approver, monitoring and post-event review before it is needed.
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Run safely and troubleshoot with evidence

Separate hardware, network, permission and application faults before escalating.

SYMPTOM	FIRST CHECKS	CAPTURE
SYSTEM OFF	Master Control, operator readiness and configured endpoints	Full Home screen and time
No Device	Saved configuration, device power, IP/port and assignment	Device type, address owner and logs
Feed absent	Camera selection, stream state, network and entitlement	Camera ID, protocol and uncropped screen
Stale weather	Sensor power, last update and threshold source	Timestamps and sensor values
AI alert wrong	Feature, zone, class, threshold and scene conditions	Original frame, model/version and decision
Permission denied	Role, module, device assignment and license status	User ID, requested action and approval

LIVE CONTROL	When system identity or state is uncertain, stop non-essential commands and follow the site-approved safe-state or recovery procedure.
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SUPPORT PACKAGE	Send version, device/OS, site/workspace, endpoint/device type, timestamps, steps, result and relevant logs to support@hellogeo.world. Never include passwords, private keys or unrelated customer data.
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CONTROL CENTRE / GOVERNANCE

International alignment and release controls

Use this matrix as an implementation and review checklist. It does not claim certification or automatic legal compliance.

NO CERTIFICATION CLAIM	References below describe recognized control frameworks. Conformity depends on the deployed configuration, documented processes, audit evidence and applicable jurisdiction.	
CONTROL AREA	MINIMUM OPERATIONAL MEASURE	REFERENCE DIRECTION
User information	Task-based steps, defined audience, version control, warnings and maintained screenshots	ISO/IEC/IEEE 26514
Information security	Least privilege, account lifecycle, protected credentials, logging, backup and incident response	ISO/IEC 27001 / NIST CSF 2.0
Privacy	Lawful purpose, data minimization, retention limits, access control and secure disclosure	ISO/IEC 27701 / applicable privacy law
Continuity	Recovery objectives, resilient backups, failover procedures, tested restoration and controlled degraded mode	ISO 22301
AI assurance	Human confirmation, dataset provenance, threshold review, false-positive tracking and retraining approval	ISO/IEC 42001 principles
UAS operations	Registration, pilot authority, airspace/site approval, weather, Remote ID where applicable, operational limits and occurrence reporting	ICAO guidance + local civil aviation authority
Copyright	Controlled copies, license conditions, attribution, permission records and takedown/escalation route	Berne Convention / WIPO Copyright Treaty

18. For HelloGeo Control Centre, apply the stricter of the customer contract, site procedure, aircraft manual, national regulation and approved safety case.
19. Record the app version, operator, device/aircraft identity, UTC/local time, action, result and evidence location for safety- or customer-impacting activity.
20. Do not place passwords, license keys, signing credentials, private keys, personal data or unrelated customer data in support tickets or screenshots.
21. [ISO/IEC/IEEE 26514:2022 - information for users](#)
22. [ISO/IEC 27001:2022 - information security management](#)
23. [ISO/IEC 27701:2025 - privacy information management](#)
24. [ISO 22301:2019 - business continuity management](#)
25. [NIST Cybersecurity Framework 2.0](#)
26. [ISO/IEC 42001:2023 - artificial intelligence management systems](#)
27. [ICAO unmanned aviation guidance](#)
28. [WIPO Berne Convention](#)
29. [WIPO Copyright Treaty](#)

CONTROL CENTRE / RELEASE ASSURANCE

Publication readiness, compatibility and support

Complete these controls before external issue or use with a different deployment baseline.

ISSUE BOUNDARY	This DOCX is the controlled editable master. Export an accessible tagged PDF only after the authorized release owner records the exact product build, technical/safety/privacy review and distribution approval in the release register.
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AREA	MINIMUM RELEASE CHECK	EVIDENCE
Client	Approved workstation and packaged desktop build for the site	OS, app build, display and network acceptance
Devices	Assigned drone station, PTZ, weather, Artpole and camera endpoints	Asset IDs, firmware, device ownership and function test
Network	Segmented and allowlisted production endpoints; no documentation addresses	Change ticket, approved IP/port register and connectivity test

SEVERITY	USE WHEN	IMMEDIATE ROUTE
Critical	Active safety/security event or live operations unavailable	Apply site safe-state/emergency procedure, notify the customer authority, then support
High	Core workflow materially impaired with no acceptable workaround	Preserve evidence and escalate through the contracted support route
Standard	How-to, cosmetic, data request or enhancement	Open a normal support request; response target follows the applicable SLA

DATA AND ACCESS	Before issue, record contractual data ownership, lawful purpose, least privilege, retention/deletion, backup/restore, export rights, incident handling and periodic access review. Do not claim encryption, MFA, SSO or residency controls unless verified for the deployed configuration.
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THIRD PARTIES	Maps, imagery, standards, operating systems, device marks and other provider content remain subject to their owners' terms. Preserve on-screen attribution, keep a screenshot/permission register and obtain written approval before using non-HelloGeo marks beyond permitted reference use.
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AI AND BIOMETRICS	AI output is decision support and requires trained human review. Where biometric functions are deployed, document lawful basis, authorization, notice/consent where required, access, retention, false-match/bias testing and human confirmation before any operational action.
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UI LABEL MAPPING	Some August 2026 desktop captures display the legacy window label "HelloGEO Controller". The canonical publication and support name is "HelloGeo Control Centre".
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30. [HelloGeo website](#)
31. [HelloGeo Flight for Android \(licensed deployments\)](#)
32. [Email HelloGeo support](#)