

ILLUSTRATED PRODUCT PROPOSAL

Sentinel SkyWatch

Drone camera surveillance, aircraft records and a separate flight practice lab.

Prepared for organisations assessing Sentinel SkyWatch. This is a product overview and proposed implementation approach, not a signed offer or statement of completed deployment.

Sentinel SkyWatch does not fly a real aircraft. Operators use the aircraftâ€™s own controller. The practice lab is a simulation; its detections and flight telemetry are training data.

31 October 2026

Generated cover illustration. Product-specific scope and commissioning apply.

Executive overview

A drone fleet workspace for camera feeds, surveillance review, site alerts and flight practice.



Generated illustrative scenario; not a customer deployment.

Intended team

Drone operators, surveillance teams and training leads

Operational outcome

Organised aircraft, camera observations and mission records.

Implementation boundary

Drone camera surveillance, aircraft records and a separate flight practice lab. Requirements depend on the chosen host, inputs, permissions and agreed integration scope.

Decision context

The organisation retains responsibility for authorised use, staff decisions, source data and commissioning. Illustrative scenarios are examples, not customer testimonials.

Users and responsibilities

Clear ownership supports accountable operation.



Generated illustrative scenario; not a customer deployment.

Administrator

Manage accounts, sites, registered aircraft and application security policy.

Assigned operator

Maintain mission status and review the camera input while flying with the aircraft controller.

Surveillance reviewer

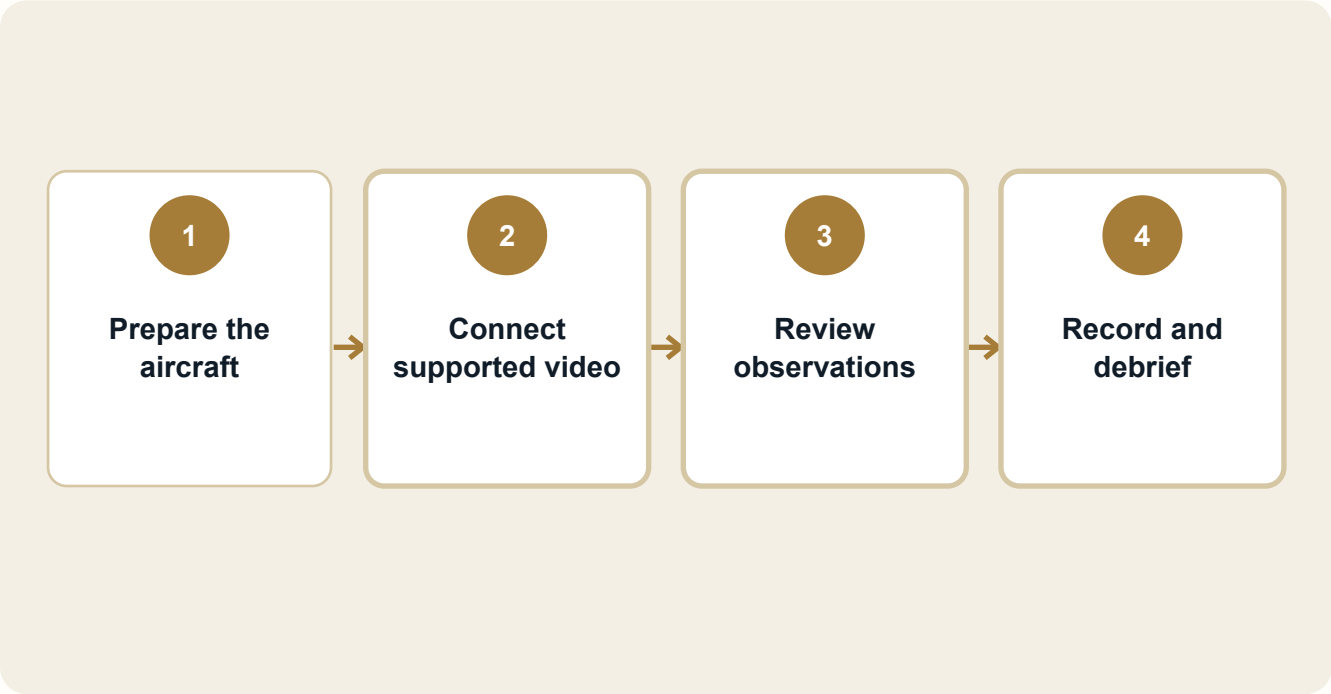
Examine authorised feeds, alerts and captured observations.

Training lead

Use simulated practice missions to develop operator familiarity.

Operational workflow

The product follows its own recorded workflow.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Stage 1

Register the aircraft and connect the video input carrying its camera feed.

Stage 2

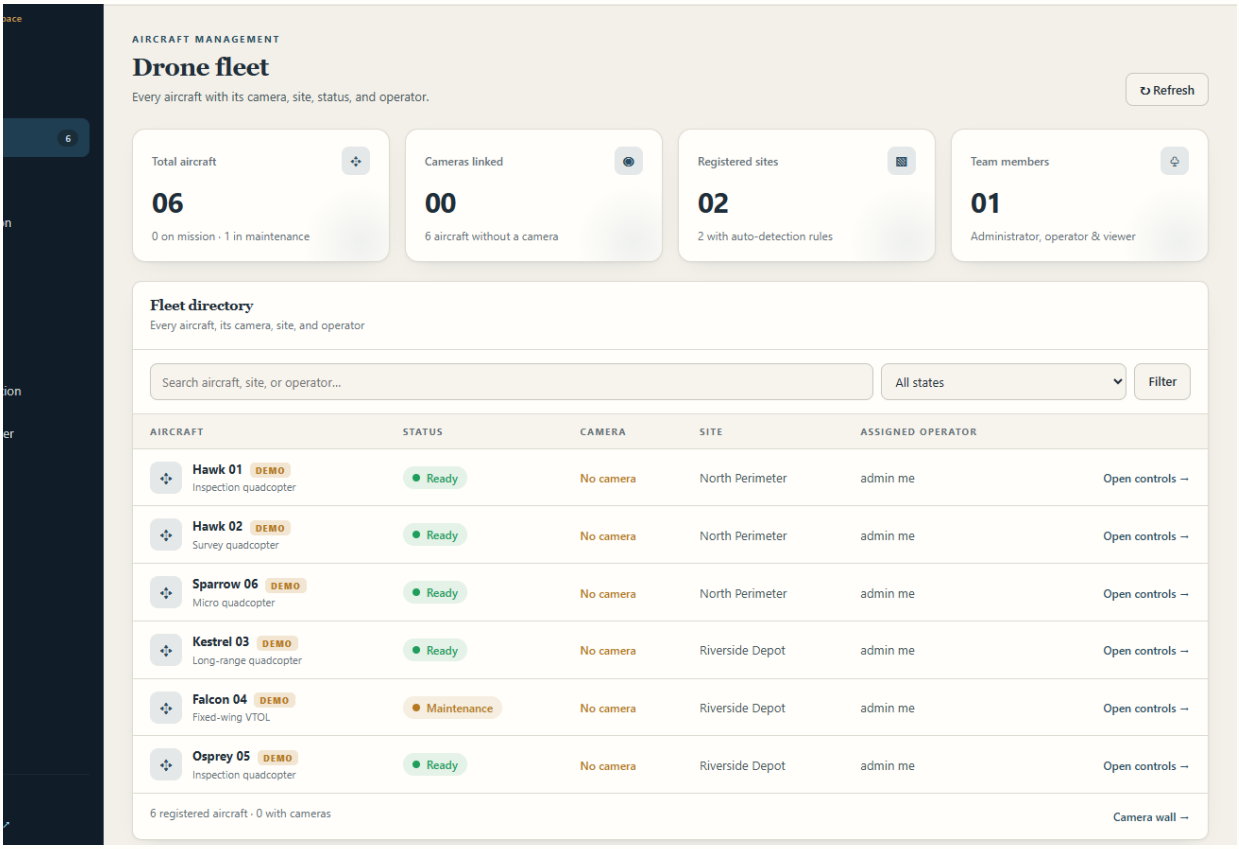
Fly using the aircraftâ€™s own controller while reviewing the feed and configured alerts.

Stage 3

Capture observations, review reports and use the separate practice lab for training.

Aircraft and site register

Register aircraft, assign operators and link camera inputs to sites. Ready, On mission and Maintenance reflect recorded operational status.



Current application interface captured from the configured test system.

Operating approach

These records organise responsibility. The application does not send flight commands or replace the aircraft manufacturerâ€™s controller.

What the team reviews

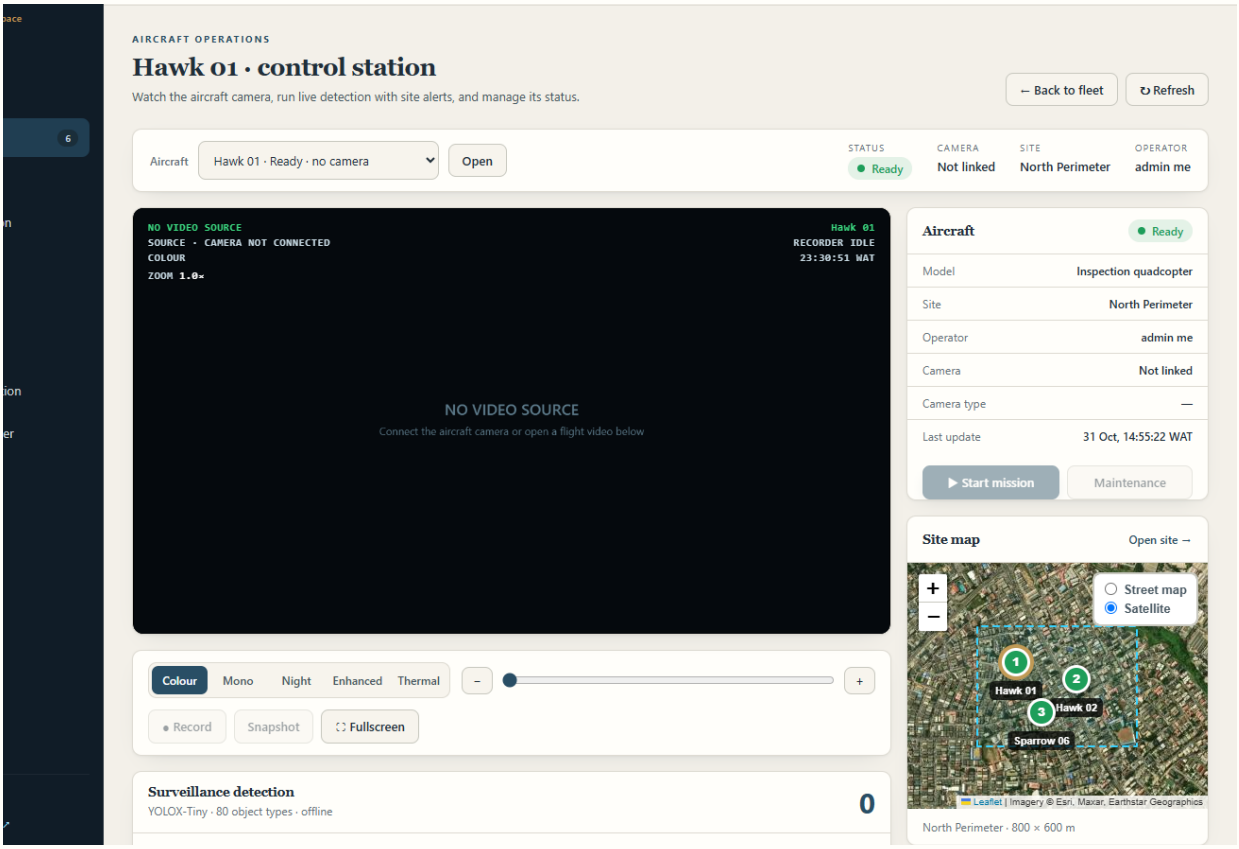
- Link each aircraft to its intended input.
- Maintain operator and site assignments.
- Keep recorded status current.

Acceptance evidence

Demonstrate this workflow using representative permitted inputs. Record the expected result, actual result, responsible reviewer and any remaining conditions before production approval.

Camera control station

Review supported video inputs or recorded flight video, select viewing modes and capture snapshots or recordings.



Current interface; source connections are inactive in this test capture.

Operating approach

Arrange the video connection from the aircraft controller to the operator computer separately. Verify browser permissions, input quality and practical latency.

What the team reviews

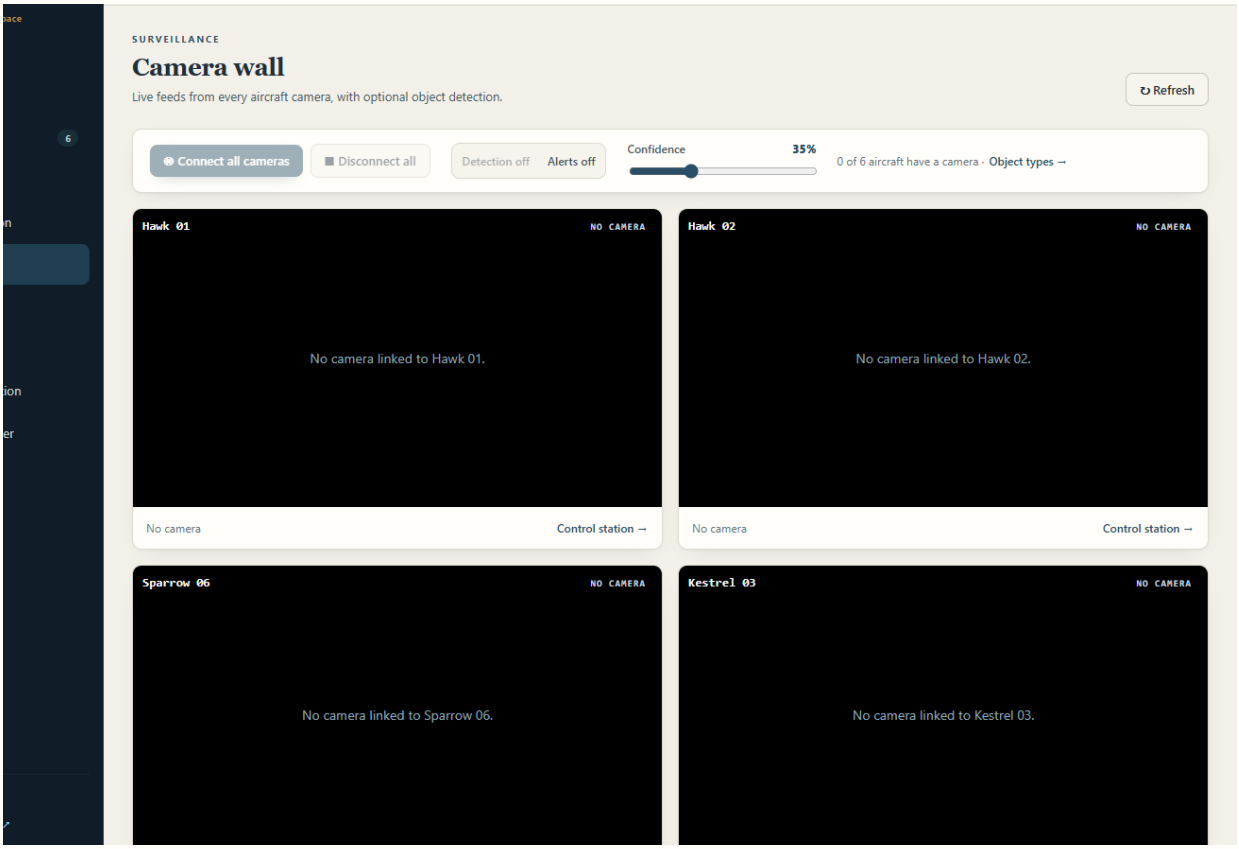
- Confirm the intended camera source.
- Review the original frame with annotations.
- Protect captured observations.

Acceptance evidence

Demonstrate this workflow using representative permitted inputs. Record the expected result, actual result, responsible reviewer and any remaining conditions before production approval.

Site alerts and camera wall

Review several feeds and configure the supported detection categories, confidence, counts and site alert behavior.



Current interface; source connections are inactive in this test capture.

Operating approach

Available labels, image quality and compute resources affect performance. Operators should validate rules with representative footage rather than treating a detection as a final conclusion.

What the team reviews

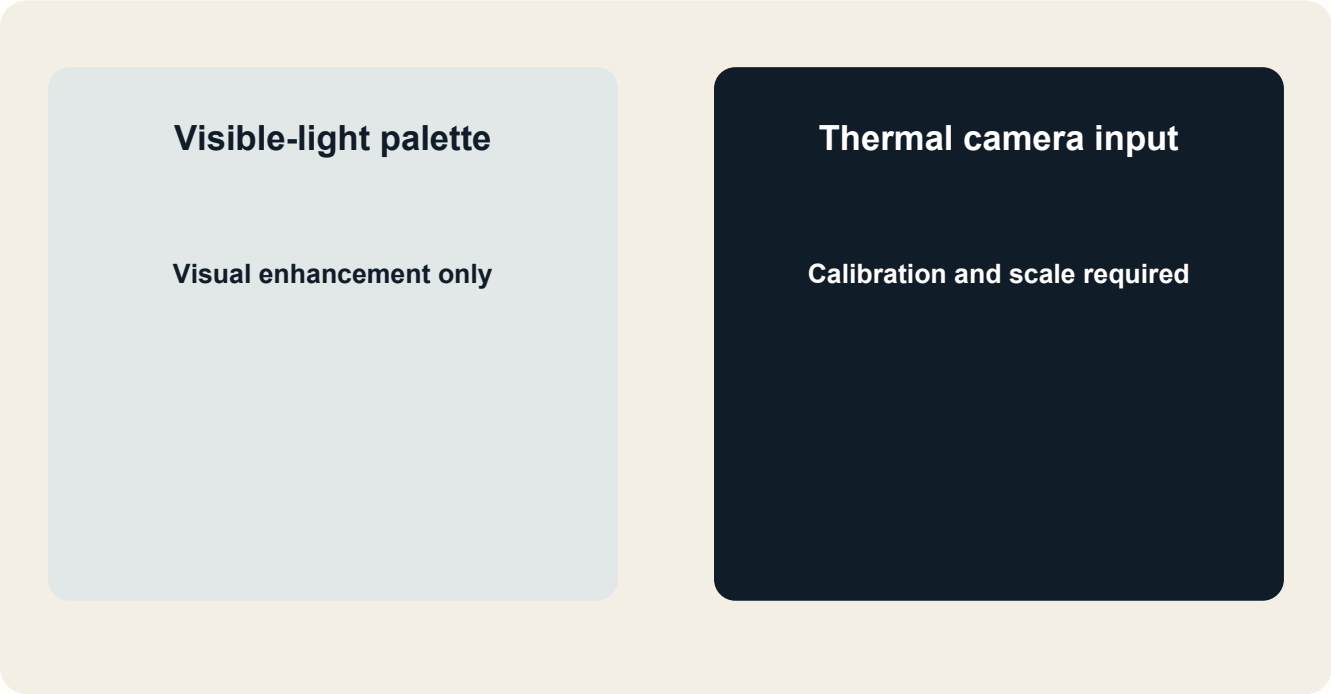
- Choose relevant categories and thresholds.
- Test repeat intervals and notification delivery.
- Keep an operator responsible for response.

Acceptance evidence

Demonstrate this workflow using representative permitted inputs. Record the expected result, actual result, responsible reviewer and any remaining conditions before production approval.

Thermal and enhanced viewing

The station offers enhanced modes and thermal palettes for suitable camera inputs.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Operating approach

True heat interpretation needs a thermal camera and appropriate calibration. A visible-light brightness palette is pseudo-thermal and does not measure temperature.

What the team reviews

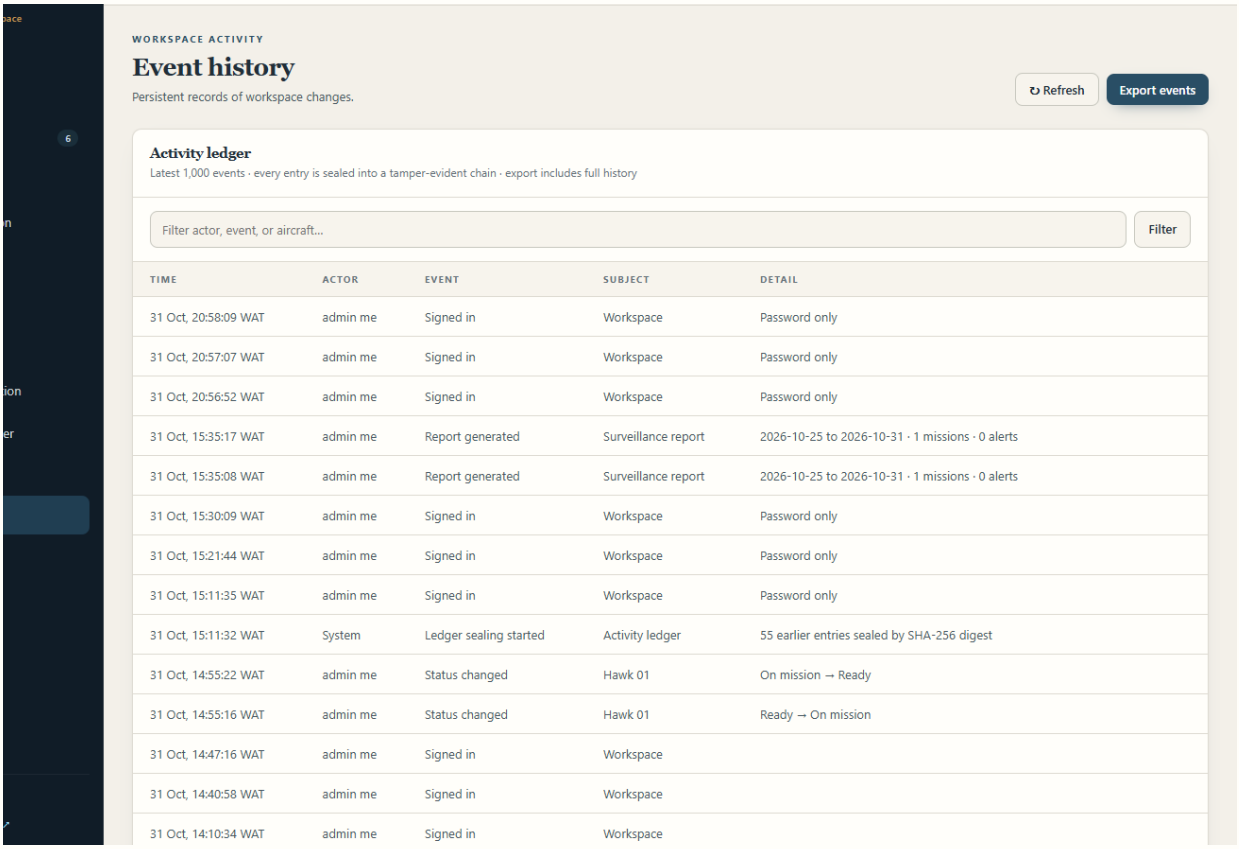
- Distinguish camera hardware from view mode.
- Record scale/calibration assumptions.
- Review hot-spots against the original input.

Acceptance evidence

Demonstrate this workflow using representative permitted inputs. Record the expected result, actual result, responsible reviewer and any remaining conditions before production approval.

Mission records and captures

Recorded mission status, alerts and detection activity support incident and mission reports. Operators can save reviewed snapshots and recordings.



Current application interface captured from the configured test system.

Operating approach

The softwareâ€™s records are distinct from aircraft flight-recorder telemetry. The deployment plan should define evidence handling and report review.

What the team reviews

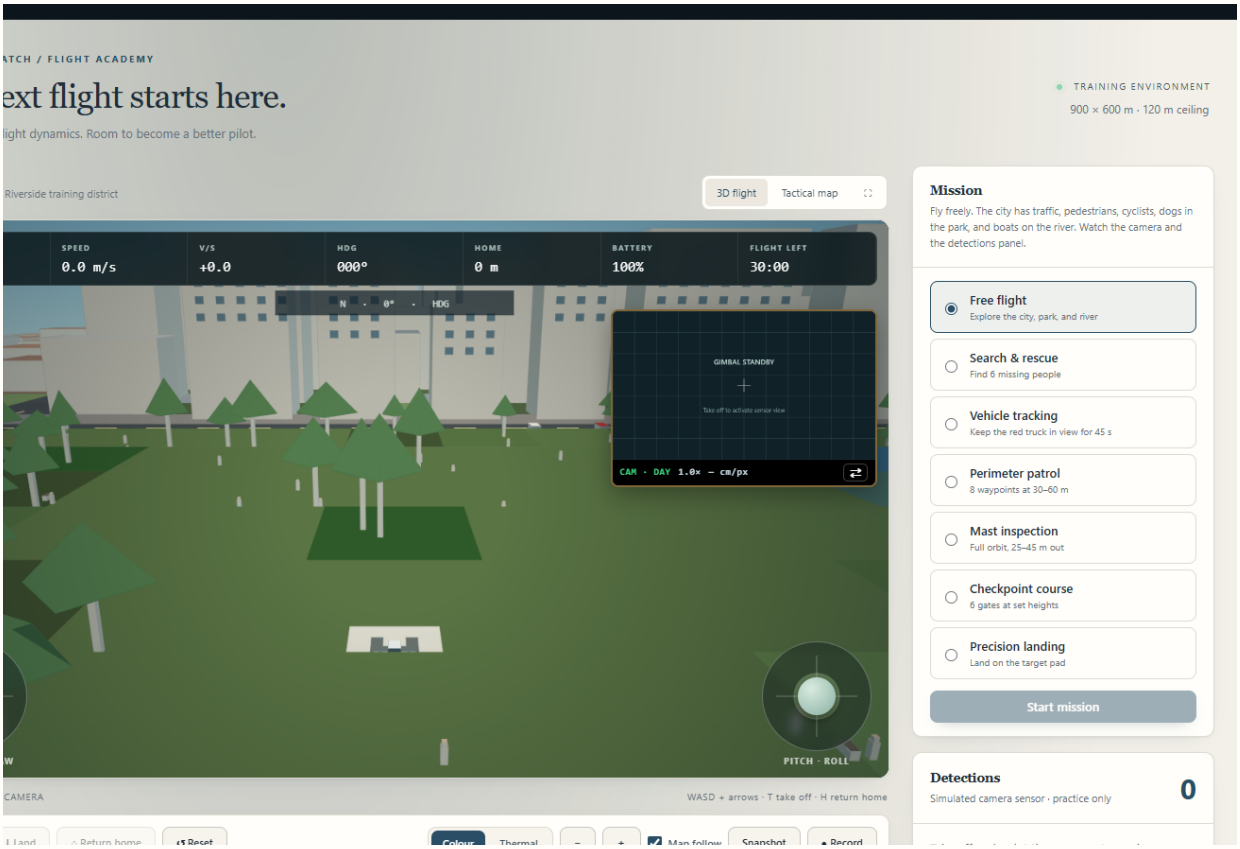
- Choose the relevant reporting period.
- Review pilot and incident context.
- Protect stored media and exports.

Acceptance evidence

Demonstrate this workflow using representative permitted inputs. Record the expected result, actual result, responsible reviewer and any remaining conditions before production approval.

Flight practice lab

A separate procedural 3D city supports keyboard, on-screen sticks and compatible controllers, with a tactical map and sensor view.



Current simulated practice interface.

Operating approach

Practice missions use simulated flight and detection data. They remain separate from live aircraft operations and do not establish flightworthiness or certification.

What the team reviews

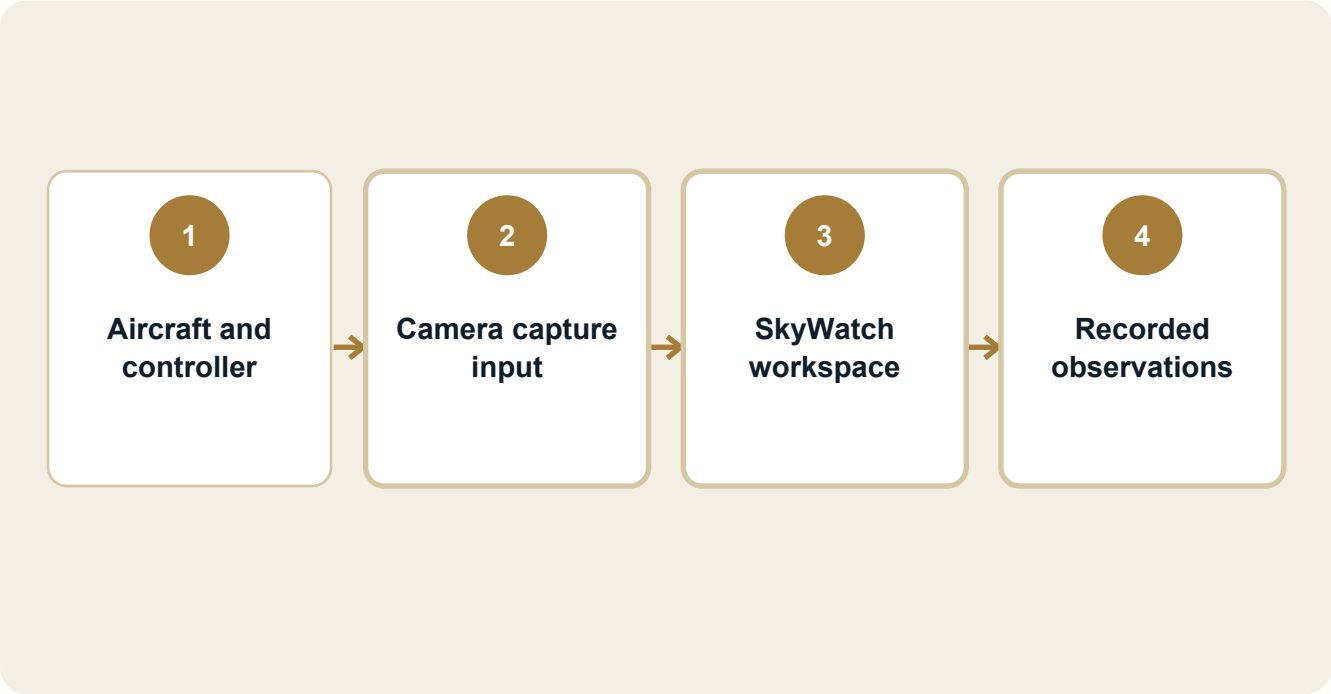
- Practise landing and return home.
- Use simulated surveillance missions.
- Validate physical controller mappings.

Acceptance evidence

Demonstrate this workflow using representative permitted inputs. Record the expected result, actual result, responsible reviewer and any remaining conditions before production approval.

Architecture and information flow

Components and responsibilities for this product.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Aircraft and controller

The operator flies using the manufacturerâ€™s own equipment.

Video connection

A supported capture device or receiver exposes the feed as a camera input.

Sentinel SkyWatch workspace

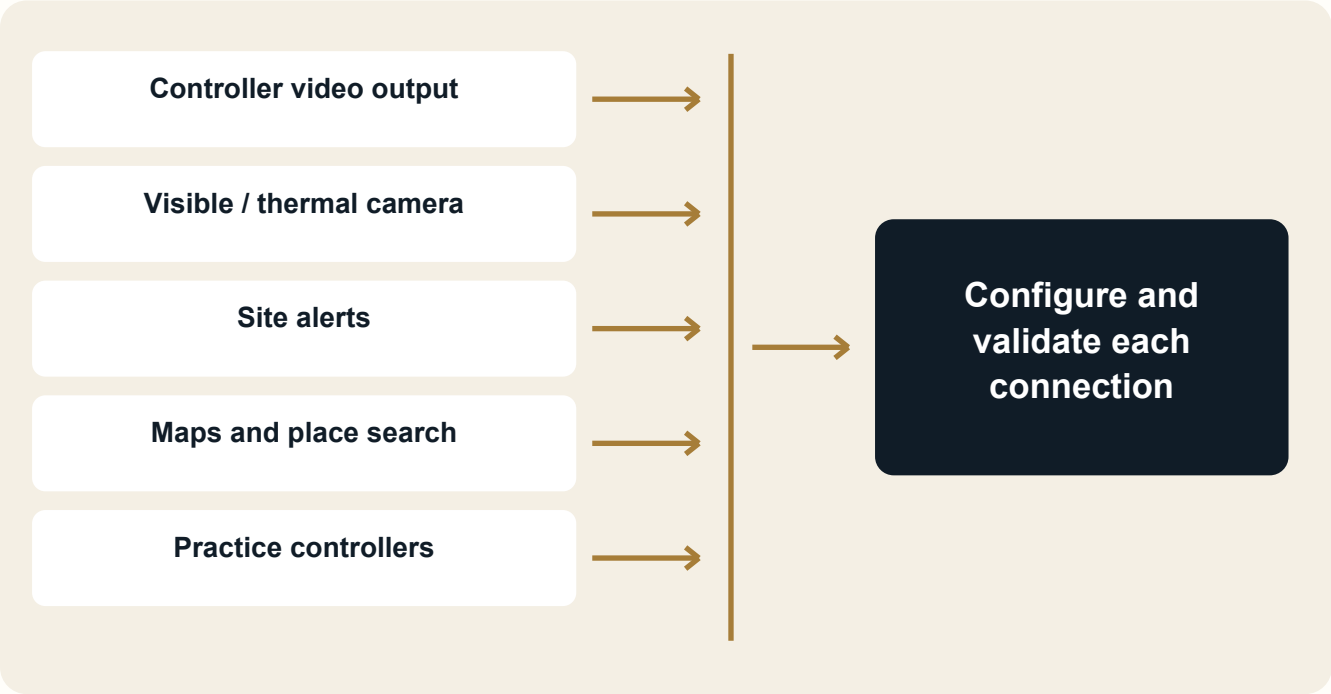
The local browser/application organise cameras, aircraft, rules and observations.

Data and training

Configured local storage holds records/media; the separate practice lab simulates flying.

Integrations and commissioning

Each connection requires authorised configuration.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Controller video output

Compatible receiver or capture device exposing a supported input. This is video review, not aircraft command/control integration.

Visible / thermal camera

Appropriate hardware and camera type selection. Thermal interpretation requires real thermal input and calibration.

Site alerts

Configured categories, thresholds and notification permissions. Test sound and desktop notification delivery.

Maps and place search

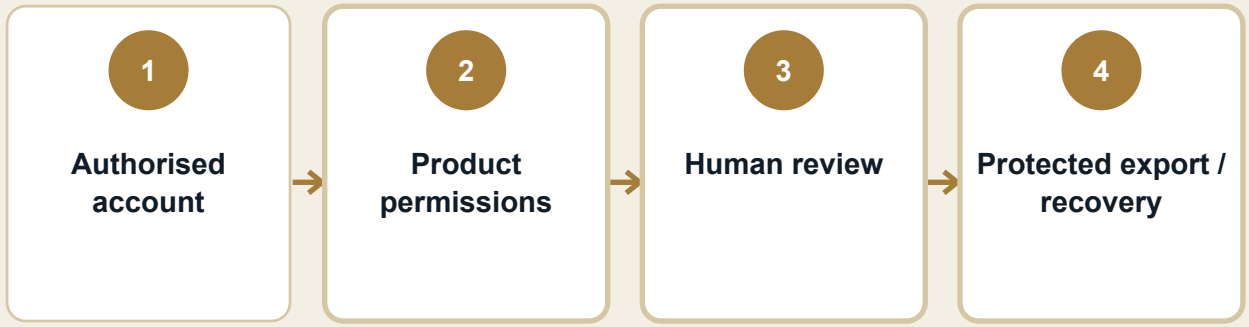
Configured external imagery and search providers. These need their network services; the practice city is procedural.

Practice controllers

Compatible browser gamepad, on-screen sticks or keyboard. Test mappings, dead zones and disconnect behavior.

Security and access boundaries

Security depends on the product controls and the operating environment.



Permissions and review belong to this product's deployment.

Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Local default

The server defaults to loopback on the operator computer.

Account and roles

Account and assignment permissions govern application actions.

Session security

Authenticator and configured inactivity/absolute limits support account protection.

Network access

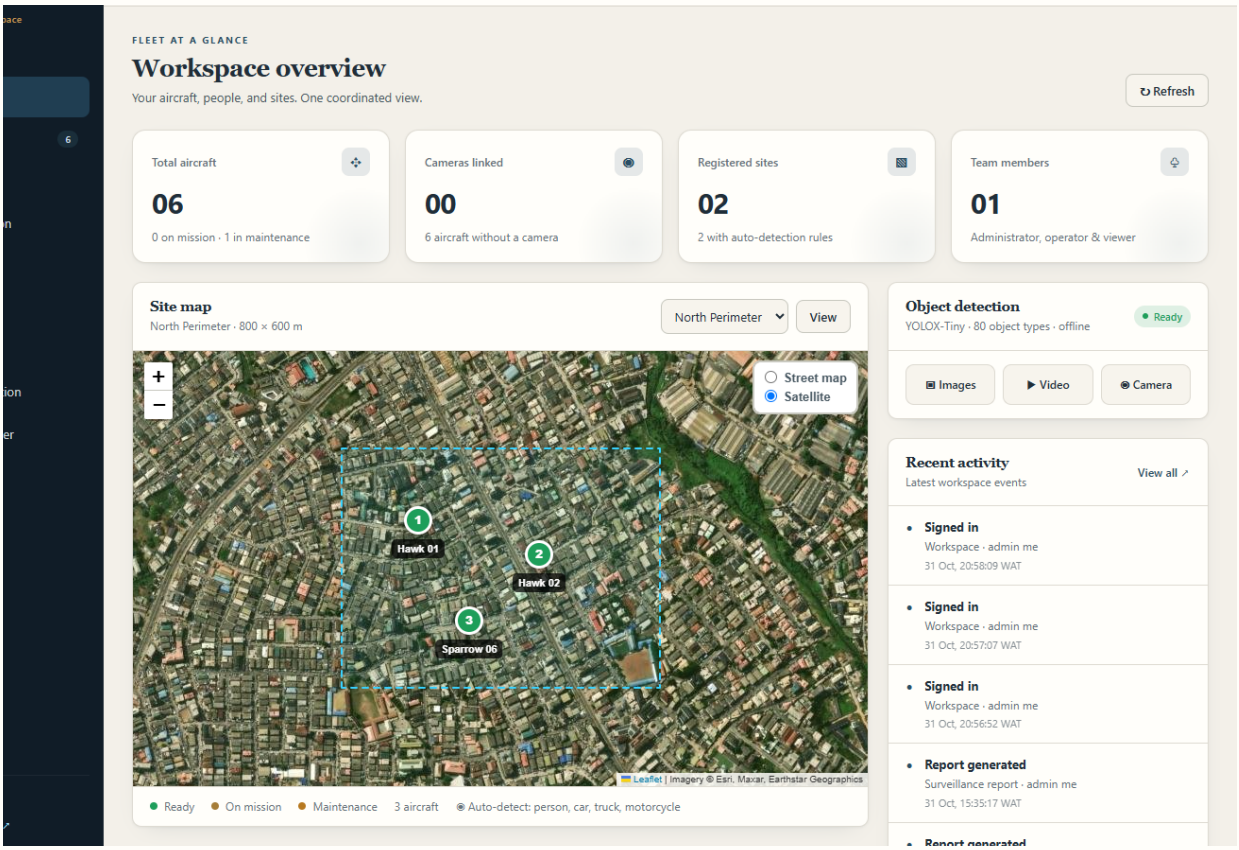
Shared access uses trusted HTTPS with configured certificates and permitted hosts.

Storage and activity

A sealed ledger supports integrity checks; protect data and backups with host access and disk encryption.

Reports and information handling

Reports should retain source context and operating limits.



Current application interface captured from the configured test system.

Product outputs

- Recorded missions and incidents for a reporting period.
- Site alert acknowledgements and detection activity.
- Captured snapshots and video observations.
- Ledger integrity checks and printed/PDF report outputs.

Handling responsibilities

Agree who may read, export, share and retain each output. Protect reports and media according to their sensitivity. Review the source records and filters before relying on totals or conclusions.

Illustrative workflows 1

Examples explain use; they do not claim real customer results.



Generated illustrative scenario; not a customer deployment.

A perimeter flight needs a record

An operator surveys an authorised site. Aircraft responsibility and camera events remain organised.

- Select the aircraft and confirm its camera input.
- Review relevant detections and site alerts.
- Save observations and review the mission report.

Conditions: The operator flies independently using the aircraft controller.

A thermal input supports night review

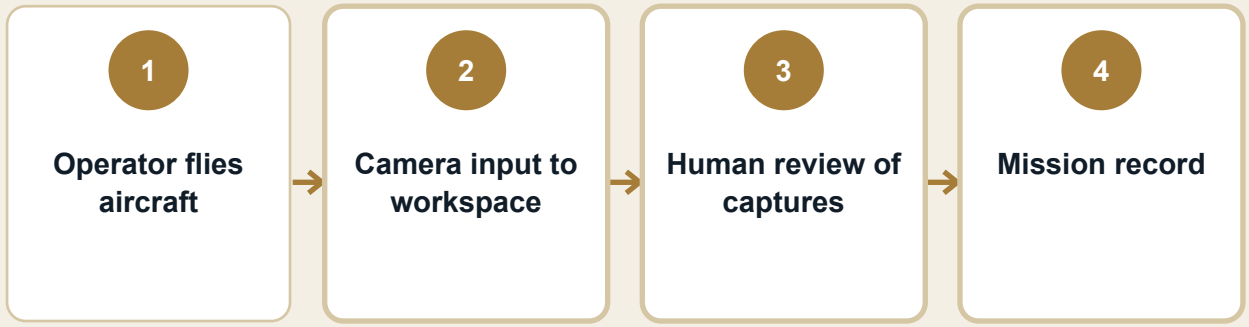
The aircraft provides genuine thermal video. Viewing tools retain the limits of the input.

- Confirm the camera type and scale assumptions.
- Review hot-spots and palette views.
- Compare the observation with the original feed.

Conditions: Visible-light pseudo-thermal cannot establish measured temperature.

Illustrative workflows 2

Examples explain use; they do not claim real customer results.



The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Several aircraft feeds need monitoring

A team reviews multiple authorised inputs. The team can follow responsibility across the inputs.

- Link each input to the intended aircraft.
- Connect the wall and review events.
- Maintain mission status and operator assignments.

Conditions: Capture channels, browser support and computer capacity must be tested.

An operator practises landing

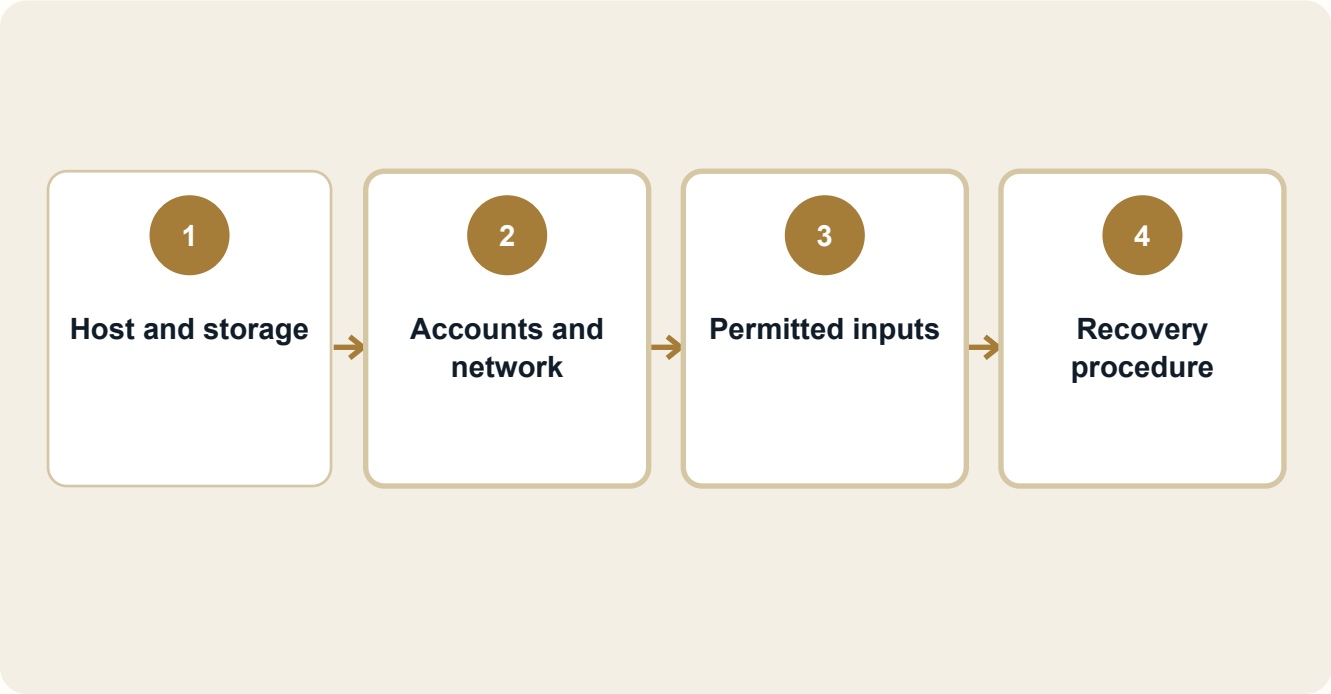
A training lead selects the separate practice lab. Operators can practise the application workflow without a real aircraft.

- Choose the mission and input method.
- Fly in the simulated world using its sensor view.
- Review the exercise and repeat with suitable settings.

Conditions: Practice does not certify the operator for live flight.

Deployment prerequisites

The deployment plan must name the actual infrastructure and inputs.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Requirements

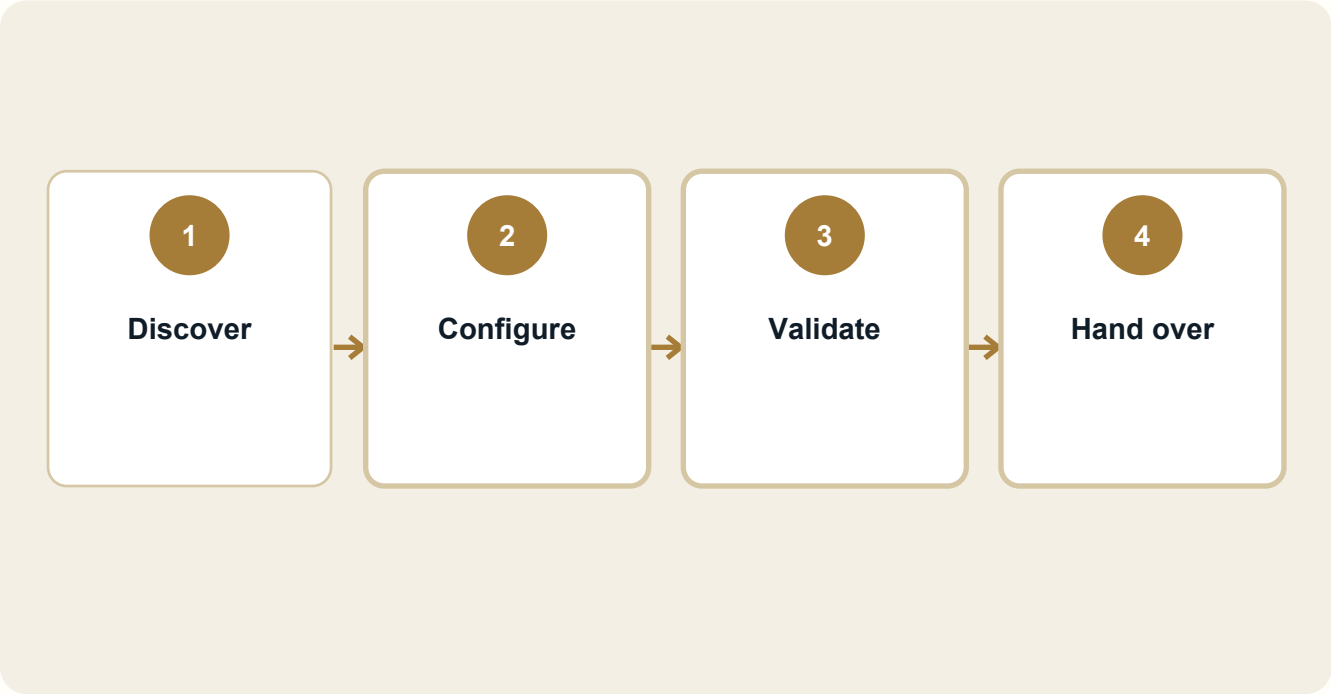
- Supported Node.js host and protected local data storage.
- Compatible camera/capture hardware for each intended feed.
- Manufacturer flight controller, approved procedures and trained operators.
- Network services for maps and place search where used.
- Trusted HTTPS and certificates for access from other devices.

Capacity and dependencies

Confirm load, data size, retention, input quality, network behavior and backup needs through representative tests. The product overview does not guarantee throughput or availability.

Pilot and implementation plan

A proposed sequence to agree with the customer.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Discovery

Confirm the intended users, workflows, source systems, integrations and acceptance criteria.

Configuration

Prepare accounts, permissions, infrastructure and the required inputs. Keep any external adapters within the agreed scope.

Pilot

Exercise normal and failure cases with representative authorised data. Record defects and unresolved dependencies.

Handover

Train the responsible staff, review acceptance evidence and agree the support, maintenance and recovery process.

Acceptance and validation

Production approval requires evidence from the intended deployment.



A failed or unresolved check stays with the responsible reviewer.

Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Acceptance checks

- The intended aircraft input opens with usable quality and latency.
- Site rules create expected reviewed alerts on representative footage.
- True thermal and pseudo-thermal views remain correctly identified.
- Status changes and captures appear in reports/storage.
- Unauthorised roles cannot change protected configuration.
- Practice landing, return-home and controller inputs pass the intended exercises.
- Backup, HTTPS and ledger checks succeed.

Sign-off record

For each check retain the owner, date, test inputs, expected result and observed result. Resolve critical failures before treating the workflow as commissioned.

Training and handover

Training should follow the roles that will use the installed product.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Administration

Accounts, permissions, source/device configuration and ongoing access reviews.

Daily operation

The product workflow, source review, exception handling and escalation.

Technical handover

Integration responsibilities, protected credentials, backup/restore and host monitoring.

Completion evidence

Record attendance, operating procedures, responsible contacts and any remaining configuration requirements.

Operations and support

Maintain the installation and the human review process.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Operational checklist

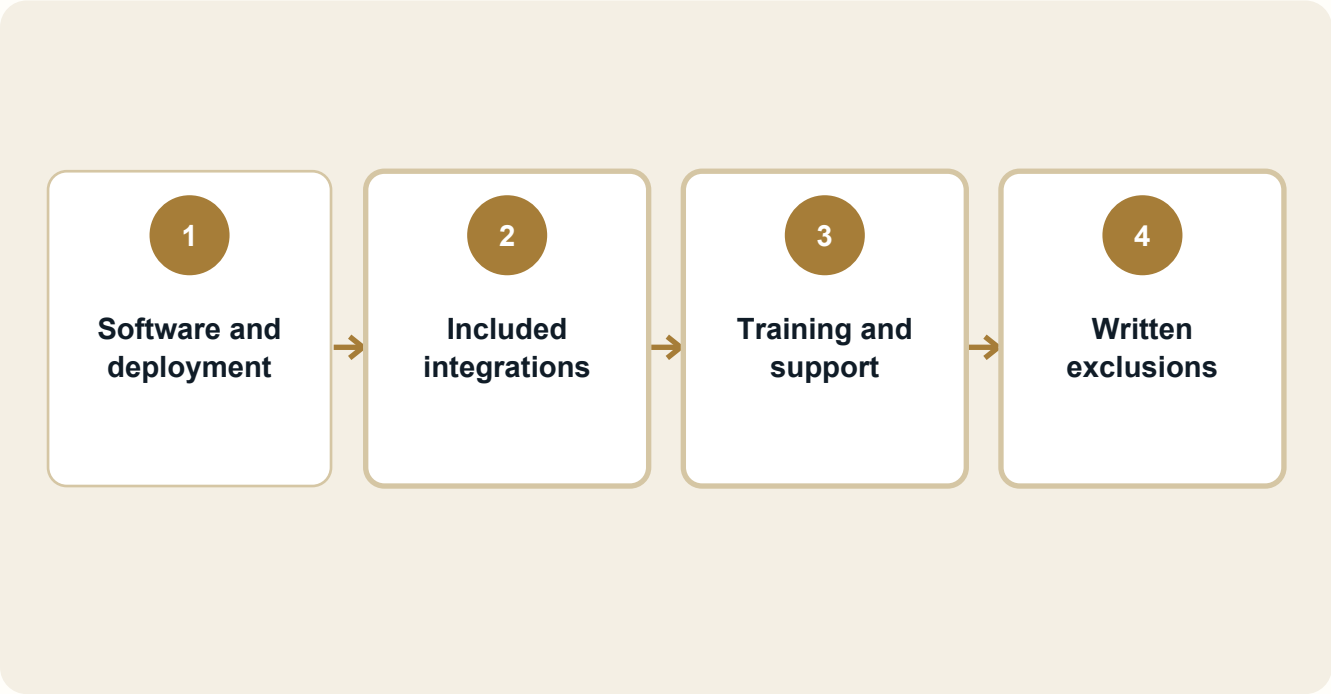
- Review assignments and linked video sources.
- Monitor capture stability, alerts and storage growth.
- Back up data and retain independent audit-head records where required.
- Maintain certificates and retest changed capture/controller hardware.

Support agreement

Agree working hours, response targets, escalation contacts, defect/change handling, update responsibilities and any on-site requirements in the commercial agreement. No service-level guarantee is made here.

Commercial scope

A product-specific written quotation defines the offer.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Software and deployment

State the product, permitted deployment, user/usage scope and installation responsibilities.

Integration and hardware

List each included source, device, adapter, third-party licence and specialist service. Identify customer-provided hardware and excluded work.

Training and support

Specify training sessions, handover deliverables, support coverage and renewal arrangements.

Costs and changes

Confirm currency, taxes, payment milestones, travel and infrastructure costs in the quotation. New requirements need written change approval.

Questions and scope boundaries

The product remains separate from the other portfolio applications.

Ask before you deploy

The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Does Sentinel SkyWatch fly the aircraft?

No. The operator uses the aircraftâ€™s own controller; Sentinel SkyWatch reviews video and organises observations.

Is the practice lab a live-flight system?

No. The city, flight telemetry and detection sensor are simulated.

Can any camera measure heat?

No. Heat interpretation requires thermal hardware and calibration.

How many simultaneous feeds are guaranteed?

The supported deployment count depends on capture hardware, browser support and measured computer capacity.

Can everything operate without internet?

Local features can run locally; maps, search and initial provisioning may need network services.

What does a quote include?

The agreed software deployment, capture arrangements, training and support. Aircraft and specialist hardware need an explicit commercial scope.

Next steps and proposal review

A focused discussion before implementation.



Workflow illustration · The operator uses the aircraft controller. The workspace and practice lab do not command live flight.

Demonstration

Review Sentinel SkyWatch using your intended workflow and representative authorised inputs.

Scope workshop

Agree the users, infrastructure, sources, integrations and operating responsibilities.

Written proposal

Confirm deliverables, acceptance evidence, exclusions, training and commercial terms.

Source basis

Product descriptions reflect the local Sentinel SkyWatch application README and relevant implementation documentation reviewed on 31 October 2026. Optional services and model/hardware performance require validation.

Enquiries

Use the website support form and select Sentinel SkyWatch for a demonstration or quotation.