

SERVICE SPECIFICATION / PHYSICAL SECURITY

Video surveillance

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Camera placement, lighting, network capacity, recording, retention, permissions, health alerts, and evidence export, designed around the events each view must capture.

Intended outcome

Named camera views with accepted day and night samples, verified recording and retention, tested export, and administrator access.

Service scope

Video surveillance combines scene objectives, cameras, network transport, recording, time synchronization, retention, user permissions, and evidence export. Resolution alone does not determine usable detail; distance, field of view, motion, lighting, compression, and mounting angle all matter.

The design should also define who may view live or recorded video, how long recordings are retained, what happens when storage or a camera fails, and how exports are documented. Privacy and local notice or recording rules remain the owner's responsibility and should be reviewed with counsel where needed.

How the system fits together

01 Scene	Purpose, subject size, movement, light, weather, privacy boundary
02 Edge	Lens, sensor, mount, enclosure, illumination, local analytics
03 Transport	PoE budget, switching, segmentation, uplinks, time source
04 Record and review	Storage, retention, permissions, search, export, health monitoring

Typical project triggers

- Blind spots or images that lack incident detail
- Retention that is unknown or shorter than the investigation cycle
- Slow, inconsistent, or undocumented clip retrieval
- A move from isolated recorders to a managed multi-site platform



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Delivery and acceptance

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The final project scope identifies quantities, locations, dependencies, and the evidence required at each delivery stage.

01 Define the evidence question

Walk each scene with the owner, identify the event and subject detail required, and record lighting, privacy, retention, and operator needs.

Acceptance evidence: Annotated view-objective schedule with scene photos, risk notes, and retention assumptions.

02 Engineer the recording path

Select lens and placement, estimate bitrate and storage, map PoE and uplinks, and define recording, user, time, and alert settings.

Acceptance evidence: Camera schedule, coverage plan, storage calculation, network dependencies, and permission matrix.

03 Install and configure

Mount, focus, label, aim, update, name, and configure recording profiles without blocking egress, maintenance access, or required sightlines.

Acceptance evidence: Device inventory, labeled endpoints, configuration record, and installation photos.

04 Prove retrieval

Validate day and night views, motion, time alignment, retention behavior, health alerts, user access, and export on the owner's real workflow.

Acceptance evidence: Accepted sample clips and stills, export test, retention readout, administrator handoff, and exception list.

Handover deliverables

- Annotated coverage and camera schedule
- Bandwidth, PoE, and storage assumptions
- Named device and recording configuration record
- Day/night acceptance samples and export test
- Administrator guide, asset list, and unresolved exceptions

Closeout: GHT and the customer review the agreed evidence, record unresolved exceptions and owners, and confirm acceptance against the signed project scope.



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Planning and scope boundaries

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Customer and site inputs

- View objective and incident type for every location
- Day, night, glare, backlight, weather, and motion conditions
- Retention target and expected review frequency
- Authorized users, locations, and export procedure
- Existing pathways, PoE capacity, uplinks, storage, and time source

Constraints and coordination

- Cameras do not guarantee prevention, identification, or a specific investigative result
- Audio recording, facial recognition, license-plate use, and retention can trigger jurisdiction-specific obligations
- Image usability changes with lighting, distance, motion, obstructions, and maintenance
- Cloud features depend on licensing and available connectivity; local recording depends on protected on-site equipment

Commercial scope and responsibilities

This specification describes the service framework. The signed statement of work defines included equipment, quantities, software licenses, integrations, access windows, schedule, pricing, warranty, and support coverage. Additional construction, electrical work, recurring subscriptions, and ongoing support require an explicit line item.

The customer appoints an acceptance owner and provides authorized access, required site information, and decisions. GHT records assumptions, coordinates assigned work, and submits changes for agreement before expanding the scope.

Technical references

ONVIF — Profiles overview | Source review: 2026-08-20

Security Industry Association — Data Privacy Code of Practice: Video Surveillance | Source review: 2026-08-20

National Institute of Standards and Technology — SP 800-53 Rev. 5: Security and Privacy Controls | Source review: 2026-08-20

Service guide and project discussion | Source review: 2026-09-06