

Lightkeeper



SECURITY · FAMILY WELLNESS · NETWORKING

# The Master Catalogue.

A curated, exhaustive selection of local-first hardware — chosen because you own it, your data stays home, and there are no mandatory monthly fees.

Engineered for absolute data sovereignty.



TRURO & COLCHESTER COUNTY, NOVA SCOTIA  
2026 EDITION · ENTERPRISE & PREMIUM RESIDENTIAL

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# What's inside.

Organized by architectural layer. No pricing is listed here — every deployment is designed to your specific estate and quoted after a thorough site assessment.

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**A note on this catalogue:** this is our exhaustive physical procurement registry. We curate the best local-first option for each job from this list to match your exact structural and networking requirements.

All products are subject to availability and may be superseded by newer hardware revisions. Wellness & aging-in-place features provide activity awareness and family notifications only — they are not a medical device or emergency response service. In an emergency, always call 911.

01 · SURVEILLANCE

# Cameras that record to your home — not someone's cloud.

Every camera here streams footage locally over open standards (ONVIF/RTSP) to your own private network drive. No monthly fees, no corporate servers intercepting your private perimeter.



POE CAMERA · HERO

## RLC-811A

Reolink · 4K spotlight bullet

A 4K camera that sees in full colour after dark and zooms 5× to read a plate at the end of the drive. The built-in spotlight and siren turn it from a witness into a **deterrent**.

LOCAL · NO FEES

RESOLUTION  
4K · 8MP

POWER  
PoE · one cable

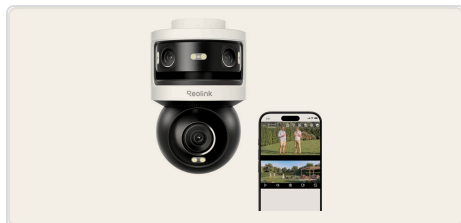
ZOOM  
5× optical

STORAGE  
microSD · NVR · NAS

BEST FOR

Driveways and approaches needing zoom, colour night vision, and active deterrence. ONVIF + RTSP.

PANORAMIC & FISHEYE COVERAGE



TRIPLE-LENS POE

## OMVI 3i PoE

Reolink · 24MP Panoramic

Three lenses stitched on-device for 180° panoramic viewing plus independent 360° auto-tracking.

- 3x 8MP (24MP) · On-device stitching
- Panoramic + Tracking · PoE
- microSD / NVR · ONVIF

Massive perimeter tracking

LOCAL



DUAL-LENS POE

## Duo 3 PoE

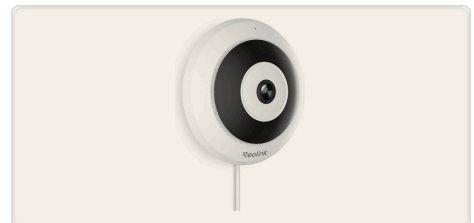
Reolink · 16MP 180°

Two lenses stitched into one seamless 180° view — covering vast areas without the blind spots of a single lens.

- 16MP · 180° panoramic
- Motion auto-track · PoE
- microSD / NVR · ONVIF

Wide property lines & fields

LOCAL



POE FISHEYE

## FE-P

Reolink · 360° ceiling mount

One ceiling camera sees a whole room — 360°, dewarped into flat views for complete coverage without blind spots.

- 6MP · 360° panoramic
- Ceiling-mount · PoE · indoor
- microSD / NVR · ONVIF

Garages & large interiors

LOCAL

## POE CAMERAS (EVERYDAY & LOW-LIGHT)



### POE TURRET

## CX820

Reolink · ColorX Turret

A low-profile turret housing an F1.0 super aperture. Captures full-colour images at night without attracting spiders to IR LEDs.

- 4K 8MP · F1.0 large sensor
- Colour night vision · PoE · IP67
- Low-profile turret design

Dark yards & soffit mounts

● LOCAL



### POE BULLET

## CX810

Reolink · ColorX Bullet

The bullet variant of our ColorX night vision system. Outstanding detail in near-darkness.

- 4K 8MP · F1.0 large sensor
- Colour night vision · PoE · IP67
- microSD / NVR · ONVIF

Dark alleys & side perimeters

● LOCAL



### POE BULLET

## RLC-810A

Reolink · 4K standard bullet

Reliable 4K perimeter coverage with smart person and vehicle detection.

- 4K 8MP · AI detection
- PoE · IP67 · 100ft IR night vision
- microSD / NVR · ONVIF

Standard everyday perimeter

● LOCAL

## PTZ & INDOOR MONITORING



### POE PTZ · LONG RANGE

## RLC-823S2

Reolink · 16× zoom PTZ

Pans, tilts, and zooms 16× to track and follow movement across large properties and agricultural lines.

- 4K 8MP · 16× optical · auto-track
- 360° pan · PoE+ (802.3at) · IP66
- microSD / NVR · ONVIF

Farms & large perimeters

● LOCAL



### INDOOR PTZ

## E1 Zoom

Reolink · 4K indoor tracking

4K optical zoom for living spaces. The lens physically rolls backward into its shell for absolute privacy when disarmed.

- 4K 8MP · 3× optical zoom
- 355° pan / 50° tilt · Wi-Fi 6
- Physical privacy shutter

Living spaces & pet monitoring

● LOCAL



### INDOOR PTZ

## E1 Pro

Reolink · 2K indoor tracking

A slightly scaled-down variant for secondary indoor monitoring, retaining tracking and the physical privacy shutter.

- 2K 4MP Super HD
- 355° pan / 50° tilt · Wi-Fi 5
- Physical privacy shutter

Hallways & secondary spaces

● LOCAL



WI-FI 6 · NO-DRILL

### RLC-810WA

Reolink · 4K Wi-Fi bullet

Uncompromised 4K resolution over Wi-Fi 6 for detached garages or outbuildings with 12V power but no data lines.

- 4K 8MP · Wi-Fi 6 connection
- Requires 12V power outlet
- microSD / NVR · ONVIF

Outbuildings without Ethernet

● LOCAL



POE CAMERA · FLOODLIGHT

### Duo Floodlight PoE

Reolink · dual-lens + lights

Bright motion-activated floodlights and a 180° dual-lens camera consolidated into one security fixture.

- 4K 8MP · 180° · 1800 lumens
- PoE+ (802.3at) · IP66
- microSD / NVR · ONVIF

Driveways & dark entries

● LOCAL



WI-FI · FLOODLIGHT CAM

### Elite Floodlight WiFi

Reolink · floodlight camera

A camera wrapped in a bright, motion-triggered floodlight — colour night video and a visible deterrent in one fixture, recording locally over your own Wi-Fi.

- Colour night vision
- Motion-activated floodlight
- Local microSD / NVR · ONVIF

Driveways, yards & dark approaches

● LOCAL



WIRE-FREE · SOLAR

### Argus 4 Pro

Reolink · battery + solar

4K dual-lens with a 180° blind-spot-free view, requiring zero wiring.

- 4K 8MP · 180° · ColorX
- Battery + solar · Wi-Fi 6
- microSD / Home Hub Pro

Where no cabling exists

● LOCAL



WIRE-FREE · SOLAR

### Altas PT Ultra

Reolink · continuous record

A battery pan/tilt camera with a massive 20,000mAh battery for continuous 24/7 recording.

- 4K 8MP · pan/tilt · ColorX
- 20,000mAh · solar · -20°C
- microSD / Home Hub Pro

Wire-free, always-on

● LOCAL



CELLULAR · SOLAR · OFF-GRID

### Go PT Ultra

Reolink · 4G LTE solar

Works with no internet and no power — 4G cellular and solar, anywhere.

- 4K 8MP · pan/tilt · ColorX
- 4G LTE (SIM) · battery + solar
- microSD up to 512GB

Cottages, land, no-WiFi sites

● LOCAL

02 · DOORBELLS

# Answer the door from anywhere — locally.

See and speak to whoever is at the door from your phone, with the live view and the recording staying entirely on your own network. No cloud subscription and no per-notification fees — wired PoE or Wi-Fi, your choice.



DOORBELL · HERO

## Video Doorbell PoE

Reolink · wired front door

● LOCAL · NO FEES

The cleanest local-first doorbell: one cable carries power and video, footage stays home, and there's **no monthly fee** to see who's at the door — ever.

RESOLUTION  
2K+ · 5MP

VIEW  
180° head-to-toe

POWER  
PoE · one cable

STORAGE  
microSD · NVR · NAS

BEST FOR

*The front door — package and person detection, two-way talk, and a wired connection that never drops. ONVIF + RTSP.*



DOORBELL · RETROFIT

## Video Doorbell WiFi

Reolink · reuses existing wiring

A 2K doorbell that retrofits onto your existing 12-24V AC chime wiring — no new cable needed.

- 2K 5MP · dual-band WiFi
- Person/package detection
- microSD / NVR · ONVIF

Retrofits without new cabling

● LOCAL



DOORBELL · LOCAL

## Doorbell G400

Aqara · 2K PoE

A sleek, monolithic dark facade with a highly deliberate 3:4 aspect ratio. PoE connection eliminates Wi-Fi jamming.

- 1536 × 2048 (2K HD)
- 165° vertical aspect
- PoE / NAS Backup

High-end entryway aesthetics

● LOCAL



VIDEO DOORBELL · WI-FI

## G410 Doorbell

Aqara · HomeKit video doorbell

Answer the door from your phone, with footage recorded to a microSD card in the doorbell itself — optional local Apple Home storage, no subscription to see who called.

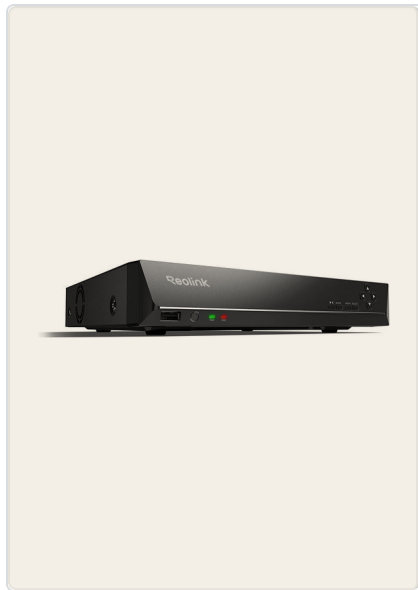
- Local microSD recording
- Wired or battery install
- Works with Apple Home

Front entries wanting local video

● LOCAL

# The vault it all records to.

Every camera and doorbell needs somewhere to write its footage — on your property, not a server you rent by the month. These hubs and network video recorders hold days or weeks of continuous recording on drives you own, reachable only from inside your own network.



NETWORK RECORDER · HERO

## RLN16-410

Reolink · 16-port PoE NVR

● LOCAL · NO FEES

The vault every camera writes to. Sixteen PoE ports power and record up to 24 cameras over a single cable each, holding **weeks of continuous 4K footage** on drives in your home — reachable only from inside your own network. No cloud, no monthly fee, no one else holding the key.

CHANNELS  
**16 PoE · 24 cams**

STORAGE  
**2× SATA · 16TB**

RECORDING  
**24/7 continuous**

ACCESS  
**Local network only**

BEST FOR

*Larger homes and small businesses that want every camera recording locally, with room to grow.*



HUB · STORAGE

### Home Hub Pro

Reolink · 2TB wireless vault

The local vault for your battery and solar cameras. AES-128 encryption keeps footage secure even if the unit is stolen.

- Pre-installed 2TB (expands to 16TB)
- Supports up to 24 cameras
- Sub-1GHz battery handshake

Large wire-free camera fleets



HUB · STORAGE

### Home Hub (Standard)

Reolink · 64GB MicroSD

A compact, puck-style vault for smaller apartments or properties running only a few battery cameras.

- AES-256 bit encryption
- Dual MicroSD (Up to 1TB)
- Supports up to 8 cameras

Small apartments & basic setups



WIRELESS NVR

### RLN12W

Reolink · Wi-Fi 6 NVR

For 24/7 continuous recording environments where running Ethernet cables is impossible.

- Dual-band 2.4/5 GHz Wi-Fi 6
- Up to 12 Channels
- Pre-installed 2TB (Up to 8TB)

Wireless 24/7 continuous recording



RECORDER · 8-CHANNEL

### RLN8-410

Reolink · 8-port PoE NVR

Plug cameras straight in — this recorder powers and records up to twelve of them via the network.

- 8 PoE ports · up to 12 cameras
- Pre-installed drive · to 16TB
- 24/7 continuous recording

Most homes — plug-and-play



RECORDER · 36-CHANNEL

### RLN36

Reolink · Enterprise NVR

Enterprise storage. Completely removes the PoE backplane to minimize heat, relying on external switches.

- 3 SATA bays · up to 48TB total
- Up to 36 cameras
- Requires external PoE switches

Large estates & multi-acre builds



# Quiet sensors that notice what matters.

Camera-free awareness for the whole household. Advanced millimeter-wave radar senses presence and movement in a room without a single camera lens. Completely isolated from the cloud.



PRESENCE SENSOR · HERO

## Presence Sensor FP400

● LOCAL · CAMERA-FREE

Aqara · mmWave radar presence

Radar-based presence mapping that tracks human occupancy and movement across a 10×8 meter room. It can simultaneously track up to 10 people without using a single camera lens, forming the bedrock of true, **privacy-respecting** awareness.

TECHNOLOGY  
**mmWave Radar**

COVERAGE  
**10×8m · 10 Occupants**

PRIVACY  
**No optical cameras**

PROTOCOL  
**Thread / Zigbee**

**BEST FOR**

*Zone-based room automation and presence awareness in private living spaces — no camera required.*



HUB · CORNERSTONE

### Hub M3

Aqara · Zigbee + Thread + Matter

The cornerstone of a local-first smart home. Runs your automations internally and bridges your sensors to Apple Home or Home Assistant.

- Thread Border Router · Matter
- On-device automations
- Ethernet / PoE / Wi-Fi

Primary local network brain



SMART LOCK · DEADBOLT

### Smart Lock U100

Aqara · Zigbee 3.0

Replaces your front door deadbolt with secure, keyless biometric access that works flawlessly without internet.

- Zigbee 3.0 · IP65 weather rating
- Fingerprint / PIN / Apple Key
- Matter via Aqara Hub

Primary exterior doors



SMART LOCK · LEVER

### Smart Lock U300

Aqara · Matter over Thread

Fingerprint, PIN, and Apple Home Key. Biometric hashes are stored entirely inside the lock handle, never in the cloud.

- Matter over Thread native
- Fingerprint / PIN / NFC
- Zinc-alloy · IPX4

Wine cellars & interior entries



HUB · MATTER / THREAD

### Smart Hub M100

Aqara · Zigbee + Thread + Matter

A compact local hub that bridges Aqara's Zigbee sensors into Apple Home, Google, and Alexa over Matter — automations keep running on-device, not in a data centre.

- Zigbee + Thread border router
- Matter bridge to major ecosystems
- Local automation engine

Starting a local smart home



CAMERA + HUB

### Camera Hub G350

Aqara · indoor camera + Zigbee hub

An indoor camera that doubles as a Zigbee hub — records locally to microSD while coordinating your Aqara sensors, so one device covers both eyes and automation.

- Local microSD recording
- Built-in Zigbee 3.0 hub
- Pan / tilt coverage

Living spaces that also need a hub



SMART LOCK · KEYLESS

### Smart Lock U50

Aqara · biometric deadbolt

Keyless entry by fingerprint, code, or app — biometric data stored on the lock itself, never in the cloud.

- Fingerprint / PIN / app unlock
- Credentials stored on-device
- Works with Aqara hub

Front & side entry doors





SENSOR · MMWAVE

## Presence Sensor FP2

Aqara · multi-zone radar

Divides a room into 30 distinct logical zones, tracking up to 5 people via a Wi-Fi connection.

- 60GHz mmWave · multi-zone
- Needs 2.4GHz Wi-Fi · wired
- Local zone mapping logic

Room automation (Wi-Fi)

● LOCAL



SENSOR · WATER

## Water Leak T1

Aqara · leak detection

Catches a leak at 0.5mm and triggers local automations (like automated shutoffs) before damage spreads.

- Detects water at 0.5mm · IP67
- Zigbee 3.0 · instant alert
- Needs Aqara hub

Basements, laundry, under sinks

● LOCAL



SENSOR · MOTION

## Motion Sensor P1

Aqara · Zigbee 3.0

A battery PIR that fires local automations the instant someone moves — lights, alerts, or scenes — with an adjustable detection cooldown to stretch battery life.

- Zigbee 3.0 · battery powered
- PIR motion · adjustable cooldown
- Needs Aqara hub

Hallways, entries & stairwells

● LOCAL



SENSOR · CONTACT

## Door & Window Sensor P2

Aqara · Thread / Matter

Reports open or closed in real time — a child home from school, a gate left ajar — and fires local scenes either way.

- Thread · Matter native
- Real-time open / closed state
- Long battery life

Exterior doors, gates & windows

● LOCAL



SENSOR · MMWAVE

## Presence Sensor FP1E

Aqara · mmWave radar

Entry-tier radar presence that knows whether a room is genuinely occupied — even when everyone's still — without a camera, so lighting and awareness automations don't switch off on you.

- mmWave presence detection
- No optical camera
- USB powered · needs hub

Offices, studies & single rooms

● LOCAL



SENSOR · SMOKE

## Smoke Detector

Aqara · photoelectric alarm

A photoelectric smoke alarm that also pushes a local alert to the family's phones — so a kitchen scare reaches someone who's out, not just an empty hallway.

- Photoelectric smoke sensing
- Local push alert to phones
- Links with Aqara hub

Kitchens, bedrooms & hallways

● LOCAL



SENSOR · CLIMATE

## Temp & Humidity Sensor T1

Aqara · Zigbee 3.0

Tracks temperature and humidity room by room, firing local automations — a fan, a dehumidifier, a heads-up — before a space gets uncomfortable or damp.

- Temperature + humidity
- Zigbee 3.0 · battery
- Local automation triggers

*Nurseries, cellars & wine  
rooms*

● LOCAL



CONTROL · SMART PLUG

## Smart Plug

Aqara · Zigbee 3.0

Turns any lamp or appliance into a locally controlled, schedulable device — and reports live energy use back to your hub.

- Zigbee 3.0 · needs Aqara hub
- Live energy monitoring
- Doubles as a Zigbee repeater

Lamps, heaters & timed loads

● LOCAL



CONTROL · WALL SWITCH

## Smart Light Switch H2

Aqara · in-wall switch

Replaces a standard wall switch for local app- and voice-controlled lighting — no cloud account required to flip a light.

- Fits standard wall boxes
- Local app & voice control
- Runs scenes & automations

Main room & hallway lighting

● LOCAL



CONTROL · WALL SWITCH

## Zigbee Smart Light Switch

Aqara · Zigbee 3.0

A Zigbee wall switch for direct, local control of hardwired ceiling lights, with single- or double-rocker layouts.

- Zigbee 3.0 · needs hub
- Single / double rocker
- Local control & automations

Hardwired ceiling lighting

● LOCAL



CONTROL · WIRELESS BUTTON

## Wireless Mini Switch T1

Aqara · Zigbee 3.0

A stick-anywhere battery button that fires any local scene — single, double, or long press — with no wiring at all.

- Zigbee 3.0 · battery powered
- Three press actions
- Stick anywhere, no wiring

Bedside scenes & doorways

● LOCAL



CONTROL · THERMOSTAT

## Smart Thermostat W200

Aqara · smart thermostat

Local control of central heating and cooling — schedules and scenes that run on your hub, so the house is comfortable when people arrive without anything phoning home.

- Schedules & scene control
- Works with Aqara hub
- Local — no cloud account

Whole-home heating & cooling

● LOCAL

05 · NETWORKING

# A network engineered like infrastructure.

The foundation everything else runs on. Managed, controller-based multi-gigabit networking with the PoE power to drive your cameras over a single cable — and the segmentation to keep them isolated.



ALL-IN-ONE CORE · HERO

## ER7212PC

TP-Link Omada · Gateway + PoE Switch + Controller

Three boxes in one: a VPN-capable gateway, an 8-port PoE+ switch to power your cameras, and a built-in Omada controller to run the whole network — the entire local core in a single unit, with **nothing in the cloud**.

● LOCAL · NO FEES

GATEWAY  
**Gigabit VPN router**

SWITCH  
**8× PoE+ · 110W**

CONTROLLER  
**Built-in Omada**

MANAGEMENT  
**Local · no cloud**

BEST FOR

Turnkey all-in-one local networks for homes and smaller sites — one box does it all.

ENTERPRISE GATEWAYS & ROUTERS



GATEWAY · ENTERPRISE 10G

## ER8411

TP-Link Omada · 10G rackmount

The enterprise core. Massive 2.1 Million pps throughput and dual redundant power supplies for estates that cannot go offline.

- 2× 10G SFP+ · Quad-core ARM
- Dual redundant power supplies
- Rackmount 1U

Massive smart estates

● LOCAL



GATEWAY · 2.5G

## ER707-M2

TP-Link Omada · multi-gig gateway

A multi-gigabit front door. Eliminates the 1G bottleneck when moving dense 4K security streams across your network.

- 2× 2.5G ports · Multi-WAN
- IPsec VPN · 1.8M pps routing
- Desktop or Wall mount

Homes with Gigabit+ internet

● LOCAL



POE SWITCH

### SG3428MP

TP-Link Omada · 28-port PoE+

Twenty-four PoE+ ports for larger deployments and rack-mounted systems.

- 24× gigabit PoE+ · 4× SFP
- High PoE budget · L2+
- Rack-mount

*Larger camera deployments*



POE SWITCH

### SG2210MP

TP-Link Omada · 10-port PoE+

Eight PoE+ ports with a 150W budget — enough to power a small camera and AP fleet.

- 8× gigabit PoE+ · 2× SFP
- 150W total PoE budget
- Omada-managed

*Small camera + AP fleet*



POE SWITCH · MULTI-GIG

### SG3210XHP-M2

TP-Link Omada · multi-gig PoE+

Eight 2.5-gigabit PoE+ ports power cameras and access points, while dual 10-gigabit uplinks feed the recorder and NAS without a bottleneck.

- 8× 2.5G PoE+ · 2× 10G
- 240W PoE budget
- L2+ · Omada-managed

*Multi-camera surveillance backbone*





WI-FI 7 AP

### EAP772

TP-Link Omada · BE11000 ceiling

Ultra-thin ceiling AP providing unparalleled local bandwidth via Tri-Band Wi-Fi 7 and a 2.5GbE uplink.

- Wi-Fi 7 · BE11000
- 2.5GbE PoE+ · ceiling mount
- Multi-Link Operation (MLO)

High-density local streaming

● LOCAL



WI-FI 6 · IN-WALL

### EAP655-Wall

TP-Link Omada · AX3000 wall plate

Bypasses plaster-and-lath Faraday cages by fitting directly into an electrical junction box near the floorboard.

- Wi-Fi 6 · AX3000
- 3x Gigabit Downlink ports
- 1x PoE Passthrough out

Historic properties & retrofits

● LOCAL



WI-FI 6 · CEILING AP

### EAP650 Ceiling

TP-Link Omada · AX3000

A ceiling-mount Wi-Fi 6 access point that blankets a floor with fast, seamless coverage — centrally managed, powered over a single PoE cable.

- Wi-Fi 6 · AX3000
- PoE powered · one cable
- Omada-controller managed

Whole-floor indoor coverage

● LOCAL



WI-FI 6 · OUTDOOR AP

### EAP650-Outdoor

TP-Link Omada · AX3000

The weatherproof sibling of the EAP650 — carries fast Wi-Fi 6 out to patios, yards, and shops, hardened against rain and temperature swings.

- Wi-Fi 6 · AX3000
- Weatherproof enclosure
- PoE · Omada-managed

Patios, yards & outbuildings

● LOCAL



WI-FI 5 · OUTDOOR AP

### EAP225-Outdoor

TP-Link Omada · AC1200

A budget-friendly outdoor access point that extends managed Wi-Fi across the property — proven, weatherproof, and easy on the install budget.

- Wi-Fi 5 · AC1200
- Weatherproof enclosure
- PoE · Omada-managed

Cost-aware outdoor coverage

● LOCAL



WI-FI 7 · CEILING AP

### Omada BE5000

TP-Link Omada · Wi-Fi 7

Next-generation Wi-Fi 7 for homes that want headroom — wider channels and lower latency for dense camera and device counts, fully Omada-managed.

- Wi-Fi 7 · BE5000 class
- PoE · one cable
- Omada-controller managed

Future-proof high-density homes

● LOCAL



NETWORK · CONTROLLER

## OC220 Controller

TP-Link Omada · hardware controller

A small, always-on hardware controller that runs your whole Omada network locally — switches, APs, and gateway from one on-site brain, no cloud login required.

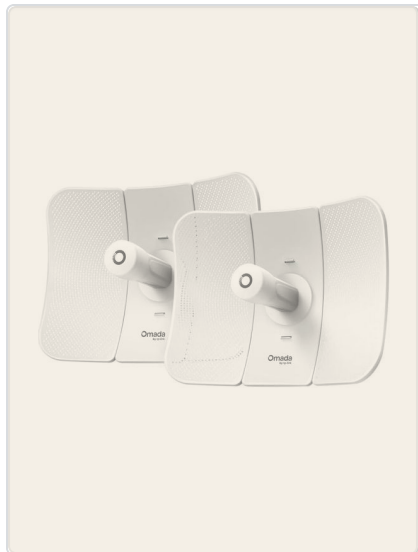
- Manages the full Omada stack
- Runs locally · no cloud needed
- PoE-powered hardware controller

Homes wanting on-site control

LOCAL

# Reach where the trench can't.

When a garage, barn, gate, or back acre sits past practical cabling, a licence-free point-to-point link carries your network across the gap — no monthly cellular fees, no digging, just a clear line of sight.



POINT-TO-POINT LINK · HERO

## Beam Bridge 5 UR KIT

TP-Link Omada · Parabolic PtP

● LOCAL · NO FEES

Reach where the trench can't. A hyper-focused 5GHz beam carries your full network **up to 15km** across open ground — to a gatehouse, barn, or back acre — with no digging and no monthly cellular bill. Licence-free spectrum, clear line of sight, yours to own.

RANGE  
**Up to 15km**

THROUGHPUT  
**5GHz · 867Mbps**

ANTENNA  
**23 dBi dish**

ENCLOSURE  
**IP65 weatherproof**

BEST FOR  
*Distant gatehouses, barns, and outbuildings past practical cabling — on a clear line of sight.*



OUTDOOR · 5KM BRIDGE

### EAP215-Bridge Kit

TP-Link Omada · Point-to-Multi

A sleek, blade-like panel that links outbuildings up to 5km away, with built-in ports to run remote cameras directly.

- 5GHz · 867Mbps · Up to 5km
- 3x Gigabit Downstream ports
- 12V DC Solar compatible

*Pool houses & local outbuildings*

● LOCAL



OUTDOOR · 1KM BRIDGE

### EAP211-Bridge Kit

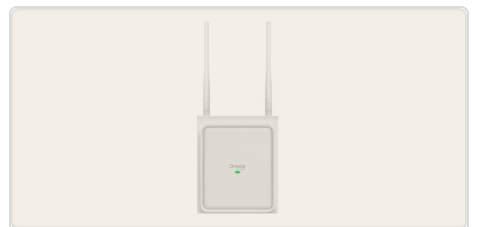
TP-Link Omada · Point-to-Point

A highly discreet, compact rectangular bridge designed to jump secure network data to an adjacent guest cottage or structure.

- 5GHz · 867Mbps · Up to 1km
- 3x Gigabit Downstream ports
- IP65 weatherproof enclosure

*Adjacent structures & short hops*

● LOCAL



WI-FI 7 · OUTDOOR AP

### BE5000 Outdoor

TP-Link Omada · Wi-Fi 7 outdoor

Carries Wi-Fi 7 across open ground — a weatherproof outdoor access point that blankets yards, courts, and parking with fast managed wireless, or links a nearby building over the air.

- Wi-Fi 7 · outdoor-rated
- Weatherproof enclosure
- PoE · Omada-managed

*Outdoor coverage & short air links*

● LOCAL

07 · LOCAL STORAGE INFRASTRUCTURE

# The vaults that manage your data. On-site.

Your local network core requires specialized, high-performance computing arrays to coordinate backups, orchestrate smart home data traffic, and record continuous visual intelligence feeds without relying on external cloud brokers. The same drives that archive your camera footage double as a private home for your family's photos, documents, and device backups — your own storage to keep, instead of a monthly bill to iCloud, Google Drive, or Dropbox.



MASTER VAULT · HERO

## DiskStation DS925+

Synology · 4-Bay Professional Network Core

● LOCAL · NO FEES

The absolute baseline gold standard for secure residential data management. Powered by an enterprise AMD Ryzen processor and high-speed ECC memory, it routes local file transfers seamlessly while its cryptographic core protects data locally.

PROCESSOR ARCHITECTURE

**AMD Ryzen Quad-Core**

NETWORKING BACKBONE

**Dual 2.5GbE Array**

MEMORY SECURITY

**4GB DDR4 ECC Core**

LOCAL DEFENSE SYSTEM

**Btrfs Immutable Snapshots**

BEST FOR

*Houses and local businesses requiring whole-home file backups alongside advanced, multi-brand security camera integration through local software platforms.*



AI VIDEO SERVER

**Deep Learning NVR DVA1622**

Synology · Local AI Analytics Engine

A dedicated, hardware-accelerated video server running advanced local face and threat recognition.

- Includes 8 perpetual camera licenses out of the box
- On-board local facial recognition & intrusion logic
- Direct HDMI monitor out for secure viewing loops

Secure air-gapped camera arrays



HIGH-SPEED EDGE NODE

**NASync DXP4800 GT**

UGREEN · 10-Gigabit Brute-Force Compute

An architectural powerhouse designed to host containerized local logic engines via Docker.

- Blistering on-board 10GbE plus 2.5GbE interface ports
- AMD Ryzen Embedded R2514 Processing Silicon
- Whisper-quiet premium aircraft-grade aluminum chassis

Docker networks & local AI video



SCALABLE INFRASTRUCTURE

**DiskStation DS1522+**

Synology · 5-Bay Expandable Core

A versatile, high-capacity tower option designed to comfortably scale as data requirements grow.

- 5 physical bays, scalable to 15 arrays via expansion modules
- 10GbE network expansion slot compatible
- Robust local data backups over DSM

Growing estate data requirements



COMPACT 2-BAY & ENTRY NAS



ENTRY STORAGE NODE

**DiskStation DS224+**

Synology · 2-Bay Compact Node

A highly reliable, compact 2-bay enclosure running standard Synology DSM data safety suites natively.

- Intel Celeron low-power processor
- Includes 2 free perpetual camera licenses
- Excellent local synchronization & media sharing

Compact homes & standard utility closets



MEDIA & SURVEILLANCE ARRAY

**DiskStation DS423+**

Synology · 4-Bay Media Storage Center

Equipped with a specialized internal hardware engine designed to handle continuous stream transcoding smoothly.

- Intel processor with Quick Sync capabilities
- 4 local bays for balanced data drive configurations
- Provides the complete Surveillance Station software suite locally

Combined media & camera storage



LEAN COMPUTE MODULE

**NASync DXP2800**

UGREEN · 2-Bay Budget Infrastructure

An affordable, highly responsive local storage endpoint leveraging modern, fast internal RAM systems.

- Intel N100 Quad-Core processing architecture
- 8GB high-speed DDR5 memory architecture built-in
- Native 2.5GbE physical connection port

Lean local data architectures



# The physical drive layers where your data rests.

Industrial enclosures are useless without high-end, heavy-duty mechanical platters and solid-state silicon engineered specifically to survive non-stop read/write cycles. We source only raw, premium non-consumer physical media modules.

**Most homes need just one thing:** a single 4-bay NAS with two surveillance drives mirrored. The matrices below are for sizing larger systems and going deeper — useful reference, not required reading.

## VISUAL RETENTION BENCHMARKS MATRIX

Surveillance bandwidth requirements depend completely on resolution and target frame rates. To help map storage profiles, the table below establishes realistic, baseline retention estimates for continuous **24/7 recording per individual camera**. Pro-tier 4K streams are calculated at the native 6144 Kbps deployment standard.

PHYSICAL DRIVE SIZE	STANDARD 1080P HD FOOTAGE (CONTINUOUS 24/7 / PER CAMERA)	ULTRA HD 4K FOOTAGE (CONTINUOUS 24/7 / PER CAMERA)	MULTI-CAMERA DEPLOYMENT EXAMPLE (REAL-WORLD RETENTION BALANCE)
<b>4TB Drive</b>	~90 Days	~30 Days	Holds <b>12 to 14 Days</b> of constant 4K video for a standard <b>3-camera</b> system.
<b>8TB Drive</b>	~180 Days	~60 Days	Holds up to <b>30 Days</b> of continuous 4K footage for a balanced <b>4-camera</b> setup.
<b>16TB Drive</b>	~360 Days	~120 Days	Holds up to <b>30 Days</b> of high-density 4K footage for a large <b>16-camera</b> estate setup.

\*Note: Real-world retention will scale up significantly if smart on-edge AI tracking is configured to index "Event-Only" recordings instead of continuous 24/7 dumb-writing.

To prevent a single mechanical hardware failure from wiping out your history or blinding your system, local servers combine multiple drives into smart **Redundancy Arrays**. This math shows how much raw space is reserved for a data safety net versus how much actual storage translates to your system.

ARRAY CONFIGURATION & LAYOUT	RAW INSTALLED CAPACITY	FAULT TOLERANCE (HARDWARE SAFETY NET)	ACTUAL NET USABLE SPACE	TRANSLATED SYSTEM RETENTION (BASED ON 4-CAMERA 4K SYSTEM @ 24/7 CONTINUOUS)
<b>Entry Mirror (RAID 1)</b> 2x 8TB Drives inside a 2-Bay Core (DS224+ / DXP2800)	16TB Total	<b>1 Drive Failure Allowed</b> Data is fully cloned across both platters	8TB Net	~30 Days of secure, mirror-protected history. Safe from a structural drive crash.
<b>Balanced Parity (RAID 5 / Synology SHR)</b> 4x 8TB Drives inside a 4-Bay Core (DS925+ / DXP4800 GT)	32TB Total	<b>1 Drive Failure Allowed</b> Rebuilds data automatically using parity blocks	24TB Net	~90 Days of high-capacity storage. The definitive standard for balancing safety and cost.
<b>Maximum Performance (RAID 10)</b> 4x 16TB Drives inside a high-end Multi-Bay Node	64TB Total	<b>Up to 2 Drives Allowed</b> Combines striping speed with mirror safety	32TB Net	~120 Days of hyper-fast performance. Optimized for high-throughput multi-gigabit file servers.
<b>Linear Storage Pool (Spanned / Non-RAID)</b> 3x 16TB Drives inside an Enterprise RLN36 NVR	48TB Total	<b>0 Drives Allowed</b> No redundancy. If a single platter fails, that drive's history is lost	48TB Net	~180 Days of raw, unfiltered continuous recording. Sized for dedicated "dumb-writing" camera vaults.

\*Sovereignty Rule: While a dedicated security NVR (like the RLN36) maximizes raw space for camera archiving, critical personal data pools, legal records, and family photos should **always** be routed to a fault-tolerant RAID 1 or RAID 5 NAS server node to protect against hardware breakdown.



SURVEILLANCE WORKHORSE · 8TB

## 8TB Pro Surveillance Platter

WD Purple Pro / SkyHawk AI · SATA 6 Gb/s

The standard infrastructure workhorse, optimized to hit the maximum single-drive limit of modern integrated PoE recorders.

- **Surveillance Capacity:** Holds up to 30 days of continuous 24/7 4K footage for a 4-camera deployment.
- **Hardware Match:** Explicitly required for modern Reolink 8-channel and 16-channel hardware revisions.

*Recommended for standard 4-8 camera footprints*



NETWORK DATA POOLS · 12TB TO 24TB

## 12TB / 22TB / 24TB Pro NAS Arrays

WD Red Pro / IronWolf Pro · Helium-Sealed SATA

Massive, helium-sealed mechanical drives built specifically to run in multi-bay local server environments.

- **Data Infrastructure Focus:** Equipped with integrated Rotational Vibration (RV) sensors to protect data integrity inside tightly grouped multi-bay enclosures.
- **Sovereign Advantage:** Designed for continuous multi-user read/write patterns, serving as the secure foundation for private cloud storage and localized network files.

*Synology & UGREEN master RAID storage arrays*



SOLID-STATE CACHING · 500GB TO 4TB

## 500GB / 1TB / 2TB / 4TB NVMe SSD Caches

WD Red SN700 · PCIe Gen4 M.2 Solid-State Silicon

Hyper-fast solid-state modules designed to eliminate network delays and handle heavy data transaction traffic instantly.

- **Local Acceleration Focus:** Operates as an ultra-low latency read/write cache layer that handles instant data searches effortlessly.
- **Sovereign Advantage:** Provides the high-speed processing space required to run on-site docker apps, database logs, and local AI object-bounding boxes smoothly.

*Solid-state acceleration for local NAS processing cores*

# Keep watching through the outage.

A power cut shouldn't blind your cameras, disrupt your local automations, or corrupt your storage databases. Next-generation UPS systems signal your NAS to shut down safely if the power stays out, avoiding database corruption.



UPS · HERO

## Smart-UPS Ultra (Lithium-Ion)

APC · Rackmount + AP9641 NMC3

● LOCAL · NO FEES

Lithium-Ion technology offers 3x the lifespan of traditional lead-acid backups. The integrated Network Management Card utilizes offline SNMPv3 protocols to broadcast power loss events directly to the local NAS, triggering a graceful, automated shutdown **without pinging an external server.**

⚡ CAPACITY  
**1500VA - 3000VA options**

📏 FORM FACTOR  
**Ultra-dense 1U/3U Rack**

🔋 CHEMISTRY  
**Lithium-Ion (3x Lifespan)**

🕒 SIGNALLING  
**SNMPv3 Local LAN Shutdown**



UPS · 2U RACK/TOWER

### PR1500LCDRT2U

CyberPower · Smart App Sinewave

Line-interactive pure sine wave power that supports secure SNMP/HTTP monitoring cards for off-cloud server management.

- 1500VA · 1000W · pure sine
- Automatic Voltage Regulation
- Local network card compatible

Enterprise switches & NAS

● LOCAL



UPS · 2U RACK

### CP1500PFCRM2U

CyberPower · 2U rack

Compact 2U protection with direct, hardwired USB shutdown signaling to translate grid events locally to connected recorders.

- 1500VA · 1000W · pure sine
- Rack-mountable 2U · AVR
- USB shutdown signalling

Rack-mounted NVR setups

● LOCAL



UPS · TOWER

### BR1500MS2

APC · Back-UPS Pro

Premium tower backup mapping battery telemetry natively to a Synology NAS or Home Assistant server via local USB ports.

- 1500VA · 900W · pure sine
- AVR · 10 outlets · LCD
- USB shutdown signalling

Home workstations & servers

● LOCAL



UPS · 1500VA TOWER

### CP1500PFCLCD

CyberPower · PFC sine wave

A sine-wave tower UPS sized to ride out the brown-outs and short cuts that corrupt recordings — keeps the NVR and network alive long enough to shut down cleanly.

- 1500VA / 900W · PFC sine wave
- LCD status display
- Protects NVR + network gear

Recorder & network backup

● LOCAL



UPS · COMPACT TOWER

### SMT750C

APC · Smart-UPS 750VA

A compact tower built with local USB and Serial ports alongside a physical SmartSlot, bypassing cloud locks entirely.

- 750VA · 500W · pure sine
- AVR · 6 battery outlets
- Local LAN shutdown capable

Sensor hubs & small utility closets



UPS · 2U RACK/TOWER

### PR750RT2UC

CyberPower · Smart App 750VA

High-density protection that fits perfectly in a small network wall-rack, unlocking secure, offline SNMP monitoring.

- 750VA · 750W · pure sine
- 2U Rack/Tower convertible
- SNMP network card optional

Compact network wall-racks



UPS · MINI-TOWER

### PR750LCD3C

CyberPower · Smart App Mini

Eliminates the need for a rack chassis while retaining full local USB and Serial shutdown commands for desktop NVRs.

- 750VA · 750W · pure sine
- Mini-tower · 6 outlets
- Active AVR voltage correction

Desktop NAS & Wi-Fi extenders



UPS · 500VA RACK

### PR500LCDRT1U

CyberPower · 1U rackmount

A slim 1U rackmount UPS for compact setups — clean sine-wave power for a single recorder or switch where a full tower won't fit.

- 500VA / 500W · sine wave
- 1U rackmount form factor
- LCD status display

Compact 1U rack installs



**Don't see exactly what you need?** This catalogue is our curated physical procurement registry. Every system is designed to your estate's exact structural requirements and quoted after a thorough architectural assessment.



# Lightkeeper

YOU OWN EVERYTHING · YOUR DATA STAYS HOME · NO MONTHLY SUBSCRIPTIONS

Start with a conversation. [Book a free walkthrough →](#)

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