

LILIN



**Made in Taiwan.
Far Beyond Cameras.**



TAIPEI • WEEKDAY MORNING

Morning rush hour, photographed in Taipei. LILIN traffic AI reads plates, flags violations, and counts vehicles in conditions like these, in real time.

Complete surveillance, from lens to control room.

Building a complete surveillance framework should not mean stitching vendors together.

01 IP cameras

1080p to 12MP, indoor and outdoor, every weatherproof grade on one product line.

02 Network video recorders

PoE plug-and-play units for small sites, enterprise RAID platforms for large ones, interoperable with LILIN cameras out of the box.

03 Navigator VMS and AI analytics

IVS, AIDA, licence plate and face recognition share one operator interface.

04 Access control

Door events tie into video, face and plate recognition without bridging a third-party system.



The LILIN family: cameras, recorders, and management software.

Founded in Taipei in 1980, supported on the ground in nine markets.

Branch offices and local teams keep expert technical support close to every project.



HEADQUARTERS

Taipei, Taiwan

BRANCHES

United States · United Kingdom · Italy · Australia · Malaysia

OFFICES & COVERAGE

Hong Kong · Japan · South Asia · ASEAN

Six reasons integrators keep specifying LILIN.

01 Five Decades of Proof

46 years in the surveillance industry, from analog CCTV pioneer to AI solution maker.

03 Global Brand, Local Support

Nine branch offices worldwide put expert technical help in the same time zone as your project.

05 In-House AI R&D

Deep learning developed by our own engineers, running on edge cameras and servers alike.

02 Partner-First Service

We sell through system integrators and stand behind them with training, project support, and clean handovers to end users.

04 Open Ecosystem

ONVIF and RTSP throughout, full SDK and HTTP Push API, plus third-party partnerships that add value on top of the platform.

06 Made in Taiwan

Our factories meet the highest global standards for production efficiency and strict quality control.

MANUFACTURING

R&D to production, one roof, one standard.

Research, design, and manufacturing all happen in-house in Taiwan. One-stop integration keeps quality consistent and lets production respond to market demand without waiting on outside suppliers.

Every camera that leaves the line has been through the same strict inspection regime.

<0.3%

Defect rate across the production line



Certified for the strictest procurement lists.

LILIN products are certified to rigorous global standards and are fully TAA and NDAA compliant. All R&D, design, development, and manufacturing is done in Taiwan.



International Certification

- ISO 9001 quality management
- ISO 14001 environmental management
- UL-2802, CE, RoHS, UKAS

Cybersecurity Auditing

- Cameras undergo rigorous third-party cybersecurity testing
- Deloitte Taiwan: product security auditing consultant
- TAICS: Taiwan Association of Information and Communication Standards

Made in Taiwan, End to End

- R&D, product, application, and software design all done in Taiwan
- A secure and dependable supply chain
- TAA and NDAA compliant across the product line

Five headaches this industry hands you, answered.

WHAT INTEGRATORS RUN INTO

Camera management

Large fleets drift: firmware, health, and storage that nobody is watching.

Access control

Door systems that never talk to the cameras pointed at them.

AI reliability

High false-alarm rates, low precision, and users who stop trusting alerts.

Service & support

Thin technical support, thin training, and messy project handovers.

System integration

Fragmented platforms with inefficient, complicated user interfaces.

WHAT LILIN DOES ABOUT IT



One seat sees every site. Navigator keeps device status, recording health, and storage in plain view across the whole estate.



Access and video share one timeline. A badge swipe pops the matching live view, and events search by door and by person.



Alerts arrive as evidence. Analytics tuned on live deployments replace manual watching with video proof attached to every event.



A named branch team in your time zone carries each project from design review to a handover that ends clean.



One vendor, one stack, open at every layer. Camera to VMS pre-integrated, modular enough to scale, and data returned as graphical insight.

Five product lines, engineered to work as one system.

Every layer speaks to the next out of the box, and open APIs let third parties plug in at any point.



IP Cameras

- 1080p to 12MP; 120 FPS high-speed models
- Low-light sensors, Smart H.264/265
- NEMA 4X environmental series
- Third-party cybersecurity tested



Network Video Recorders

- 4K PoE plug-and-play, 4 to 16 CH
- 16/32 CH enterprise RAID
- ONVIF and RTSP streaming
- GPS and POS tag integration



Navigator VMS

- 108 CH recording per server
- IVS, AIDA, POS, GPS, LPR, face recognition
- Multi-channel desktop and mobile clients
- Control-room feature set: see p. 11



Access Control

- Web service mode, PoE IP readers
- Multi-point Wiegand input
- Face and license plate integration
- Multi-shift time and attendance



AIDA Smart AI

- Traffic violation and flow analytics
- Facial recognition, 10,000-face library
- Helmet, safety wear, smoke detection
- AI fence for people and vehicles

**Complete SDK and
HTTP Push API
on every layer.**

Build on the ecosystem, or plug it into yours.

One housing family covers every install, from lobby dome to highway PTZ.

Mature mechanical engineering, indoor and outdoor, entry level to high end.



IK10 impact and IP68 ingress protection on outdoor series. Ruggedness level varies by model.

Every stream, alarm, and counter ends up in one pane of glass.

- 1

Capture
IP cameras with edge AI licenses classify people, vehicles, and events at the lens.
- 2

Record
NVRs keep 24/7 evidence with RAID protection and S.M.A.R.T. drive monitoring.
- 3

Manage
Navigator VMS unifies cameras, recorders, and third-party systems in one interface, up to 108 channels per server.
- 4

Act
Live counters, alarm pop-ups, and open APIs push events to the people and systems that respond.



One wall, every system: video, SCADA, MES, and maps in a single view.

Navigator's central management layer runs the room. Whatever happens on site shows up here first.

Central authority & failover

One directory of every server and camera, with device status monitoring and automatic failover.

Multi-layer e-map

Floor plans from campus down to room; alarms pop snapshots right where they happen.

TV wall & virtual matrix

Any stream to any panel in any layout, switched from the operator's seat.

Third-party UI capture

SCADA, MES, and power dashboards join camera feeds on the same wall.

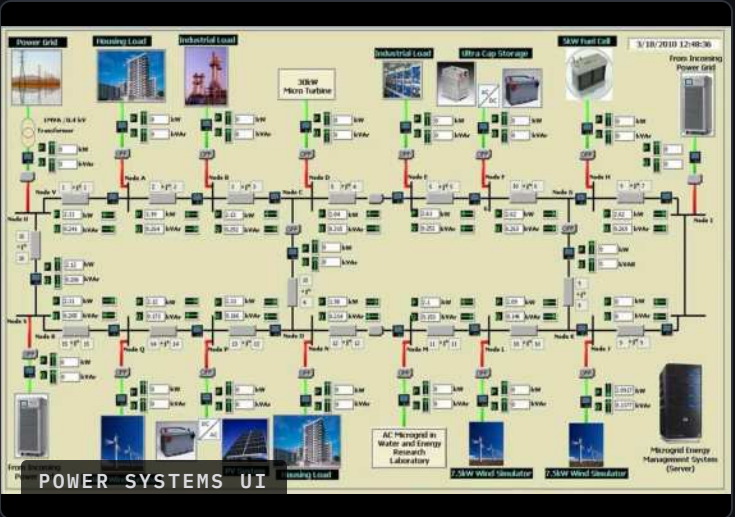
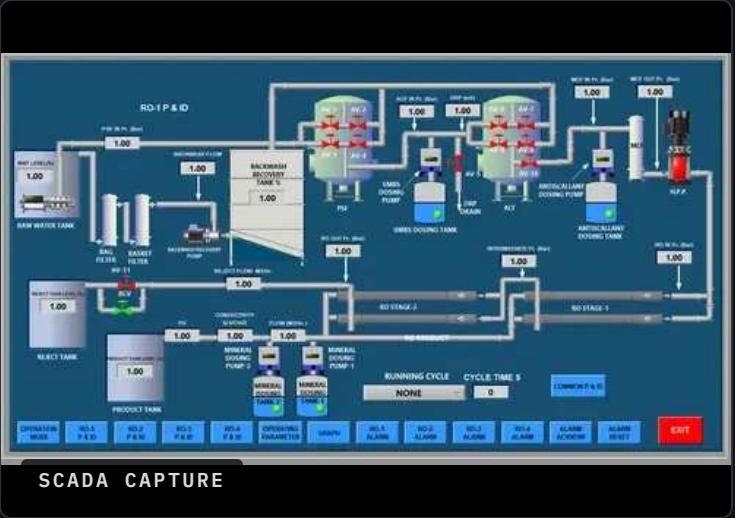
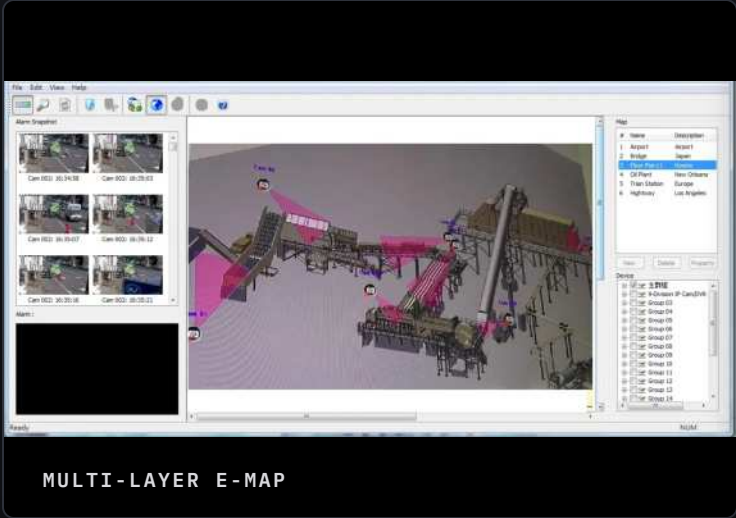
POS, barcode & QR

Transaction data rides the video timeline, searchable by receipt.

Every input welcome

Multiple video and alarm input types, LILIN or third-party.

LIVE · CONTROL ROOM WALL, 4 SOURCES



From a missing helmet to a casting flaw, detection you can read at a glance.

MANUFACTURING & SAFETY



Safety Precautions
Compliance or violation can both trigger.



Fire Detection
Flame flagged before heat sensors react.



Smoke Detection
Outdoor smoke, beyond point detectors.



Defect Detection
Flaws boxed as parts pass the line.

FIELD OPERATIONS



Person Tracking
Targets stay locked across cameras.



AI Virtual Fence
Line crossing and intrusion alerts.



Spotlight Deterrence
Intruders held in white light.

When visible light gives out, thermal keeps the target.

Dual spectral imaging fuses two bands in one camera: high-definition detail for identification, thermal contrast for detection in darkness, foliage, and weather that defeats a single sensor.



24/7 Perimeter Protection

Heat signatures reveal people and vehicles at long range, in total darkness or through heavy foliage.



Early Fire Detection

Temperature anomalies flag hotspots before visible smoke or flame; the visible feed confirms the source.

Adverse Weather

Thermal imaging holds a high-contrast silhouette through fog, rain, and glare that blind visible sensors.

Parking structures, car washes, and city streets, each run with fewer people and better data.

Parking Garage

Density control, gate control, and analytics cut labor cost per structure.

PARKING MANAGEMENT

EDGECAP counts people and vehicles, flags a full garage, sends statistics to the backend, and watches charging bays for free spots.

GATE CONTROL

EDGELPR opens the gate through an I/O box for monthly parkers; EDGEFLOW turns away trucks without clearance.

CROWD DENSITY

LED signs integrated with the cameras show open spaces; EDGEDENSITY tracks cars in and out, EDGELPR logs each entry time.

Car Wash

Business insight, customer safety, and orderly traffic through the tunnel.

BUSINESS INSIGHT

EDGELPR and EDGECARMAKE recognize frequent customers for VIP rewards; misusers are blacklisted at the gate via I/O.

QUEUING DETECTION

EDGECAP alerts when people or cars linger in the tunnels too long; EDGEFLOW zones keep vehicles entering in the right direction.

LIABILITY PREVENTION

24/7 recording answers tampering claims; dome cameras with IVS 2.2 spot people exiting vehicles inside the tunnel.

Smart City

Remote roads to dense intersections, enforcement to flow management.

TRAFFIC ENFORCEMENT

EDGEFLOW detects no-parking violations, wrong-way driving, and criminal activity to keep traffic smooth and safe.

VEHICLE RECOGNITION

Type, make, and color via EDGECARMAKE, plates via EDGELPR, shared with law enforcement on request.

FLOW MANAGEMENT

Queue detection and counting pinpoint standstills; when roads congest, the AI signals the traffic lights.

The same platform covers retail floors, gated communities, and licensed grows.

Retail Protect margin at night, evidence by day, shorter queues at the front.	THEFT PREVENTION VIVIDKNIGHT full-color night imaging, AI detection zones that alert staff, and 360° multi-sensor coverage of every angle.	PROHIBITED ZONES EDGEFLOW fires events when someone enters back doors or stockrooms; NAV Client 5.0 filters the recordings into evidence.	WORKFLOW EFFICIENCY EDGECAP counts people in and out; EDGEFLOW queue detection calls more cashiers up before the line builds.
Residential All-in-one home security for gated communities, without gate remotes.	GATE CONTROL EDGELPR filters entry with allow, denial, and visitor lists; residents and their guests drive straight in.	PERIMETER DETECTION P2 Series with IVS 2.2 spots people and vehicles around the community; footage kept 24/7 for four years for law enforcement.	REMOTE ACCESS One guard covers many areas from the shack, on multi-channel NAV servers reaching every camera.
Cannabis Compliance-grade security from cultivation to dispensary, day and night.	SECURE TRANSPORTATION Mobile NVRs with GPS track packages door to door; mini turret and pancake cameras ride inside the vans.	GROW & DISPENSARY 24/7 recording retained four years; a TV wall server watches every channel; EDGE AIDA licenses read plates and control the gate by allow list.	THEFT PREVENTION Full-color night coverage in grow rooms, 360° fisheye views, and PTZ cameras that flag movement after hours.

Also in the field: home automation, sports science, mobile surveillance, central monitoring stations, and facial recognition.



Taipei-density traffic, read plate by plate at 100 km/h.

Some of the densest two-wheeled traffic in Asia, covered by four AI modules feeding enforcement and dispatch in real time.

01 AI License Plate Recognition

High-accuracy reads at up to 100 km/h, with allow, denial, and visitor lists at city scale.

02 Violation Capture

Red-light running, illegal left and right turns, and parking violations, each with evidence video.

03 Restricted-Area Intrusion

Break-ins onto railway level crossings and highways detected the moment they start.

04 Count, Queue & Speed

Vehicle counts by type, queuing detection, and speed estimation feed signal timing and dispatch.



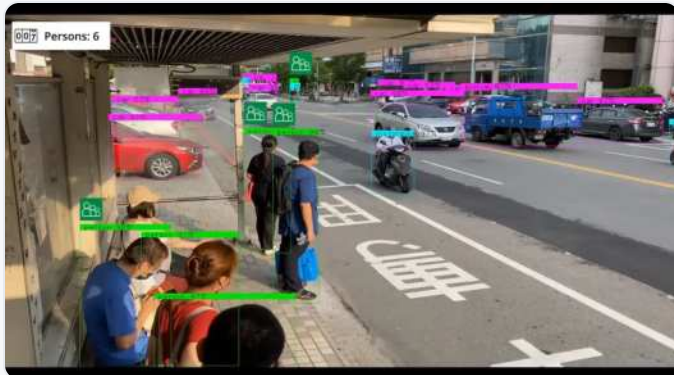
Deployed, measured, and running today.



Smart Factory: 16 plants, 20,000 employees

A Taiwan-headquartered manufacturer raising safety and efficiency standards worldwide as it expands into Southeast Asia.

- PPE detection at every high-risk area
- Virtual fence plus abnormal-behavior alerts: running and falls
- Fire, smoke, and cargo violations: over-height loads, vehicles out of range
- QR-coded shipments captured to NVR for instant search
- Truck management at the loading docks



Bus Queue Detection: dispatch fed by live counts

Station crowding streams straight into the dispatch system, relieving packed stops and cutting empty runs.

- EDGECAP people counting on cameras, or PCCAP on an AI server
- Counts pushed to the backend VMS and NCC dispatch center
- Integration code in C# and Python, open on LILIN's GitHub
- Fewer empty departures, shorter real waits

One hospital, 1,000 mixed cameras, one system after migration.

The site ran a thousand analog and digital cameras across many brands and platforms. The mandate: upgrade to fully digital, consolidate on one brand and one system, and make alarm events visible the moment they happen.

Open-Platform Migration

- Navigator VMS integrates the legacy brands during phase-out
- Parking and emergency systems tied in with e-map pop video

Event Management

- Access control events pop real-time video
- Notifications push LINE messages with video attached
- Event search by process and by door

Camera Series	Role in the Deployment
V1 Series	Public areas: lobbies, corridors, wards
P6 / Z6 Series	Behavior analysis for people and vehicles
Z7 Series	Full-function AI at critical points

Series mix follows risk level per zone, so AI budget lands where it earns its keep.

Depth and radar watch the care room, and resident privacy stays intact.

A care room needs two things a camera struggles to give: privacy for the resident, and warning before a fall happens. LILIN ToF and radar sensors read posture and vital signs without capturing identifiable video, and alert staff the moment risk begins.

Wake-up detection

Alerts the moment a resident wakes, with a pop-up live view so staff can assess the situation immediately.

Leave-bed detection

Triggers an alarm as a resident leaves the bed, so caregivers arrive before the fall.

Fighting detection

Recognizes physical altercations between residents and notifies staff in real time.



Conventional camera: the resident is identifiable



ToF depth sensing: depth data carries no identity



Function	DS362	DS262
Wake-up detection	✓	✓
Leave-bed detection	✓	✓
Breath & heartbeat	—	✓
Fighting detection	✓	—
Intrusion detection	✓	—
Zone detection	✓	—
People counting	✓	—

Mixed per room: DS362 for behavioral analytics, DS262 for vital signs.

CONTACT

Let us tailor a solution for you.

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Start a Project

Tell us your site, camera count, and what you need to see.
Your regional branch will take it from there.



KNOW MORE