



# iVSEC SECURITY SOLUTIONS THAT WORK

Helping you choose the right solution for the most typically encountered applications

# SOLUTIONS OVERVIEW BY AREA

True security is more than just recording footage. It's about anticipating threats, understanding your environment, and leveraging AI-powered surveillance to take control — before an incident occurs. At iVSEC, we combine intelligent analytics, high-performance hardware, and seamless software integration to solve real-world challenges across diverse environments. Below, we break down the risks by area and how the right surveillance approach can reduce downtime, losses, and blind spots.



## Retail Showroom

Retail spaces operate at a unique crossroads of security and customer experience. High foot traffic, cash handling, inventory shrinkage, and customer disputes demand constant situational awareness — without compromising shopper comfort or aesthetics.



### Key Considerations

- The need for discreet, high-resolution monitoring at entry points, POS stations, and display areas.
- Visibility across wide, open-plan layouts without creating blind spots.
- Real-time analytics to track queues, monitor dwell times, and identify known individuals.
- Integration with automation systems (e.g. triggering alarm panels, activating alerts) during after-hours intrusion.



### Recommended Approach

Retail environments benefit from a hybrid mix of fixed and motorised cameras, supported by panoramic solutions to reduce hardware clutter. Advanced deterrent systems (lights, sirens, voice prompts) proactively prevent theft. A PoE-enabled NVR keeps installation simple and ensures secure storage of all footage, while facial recognition and analytics support customer behaviour insights and loss prevention.



## Office Facilities

Office spaces require a delicate balance of transparency and privacy. While safety, access control, and HR oversight are essential, employees and clients must feel they're in a professional and trusted environment.



### Key Considerations

- Discreet monitoring of open-plan workspaces, lobbies, corridors, and staff-only areas.
- Ensuring compliance with privacy policies and maintaining minimal surveillance footprint
- Supporting incident review (e.g. workplace disputes, unauthorised access) without round-the-clock supervision.
- Seamless integration with existing building management or access control systems.



### Recommended Approach

360° fisheye or low-profile fixed dome cameras can provide expansive coverage with minimal visual impact. AI-driven alerts, such as motion or human detection, reduce false positives and allow for smart event filtering. VMS software helps security or HR teams retrieve, review, and tag footage efficiently. Cloud and app-based access further empower flexible, remote oversight.



## Server Room

Infrastructural zones like server rooms house business-critical systems — making them prime targets for sabotage, environmental failure, and data breaches. Surveillance in these spaces must offer precision, environmental awareness, and redundancy.



### Key Considerations:

- Need for accurate monitoring in tight, sensitive spaces.
- Environmental risks such as overheating, fire, or smoke.
- Risk of tampering, vandalism, or unauthorised access.
- Ensuring 24/7 uptime even in the event of network failure.



### Recommended Approach:

Deploying dual-lens thermal cameras enables early detection of heat anomalies, while vandal-resistant domes ensure secure, tamper-proof observation. AI video tampering analytics detect when cameras are moved, blocked, or manipulated. MicroSD failover storage ensures footage isn't lost due to connection drops. Integration with IoT and building systems via API/webhook allows for actions like triggering cooling or alerting IT during abnormal events.



## Warehouse

Warehouses present some of the most complex surveillance challenges — large square meterage, high ceilings, frequent vehicle movement, and low-traffic zones all require strategic camera planning.



### Key Considerations:

- Covering long aisles, loading zones, and exterior perimeters.
- Capturing vehicle movement, pallet handling, and shift activity.
- Reducing blind spots without overloading the system with unnecessary cameras.
- Securing the facility after hours with AI-based alerts.



### Recommended Approach:

PTZ cameras offer dynamic monitoring, enabling coverage of large spaces with fewer cameras. Fixed bullet cameras with strong IR capability cover aisles and high-use access points. Panoramic cameras (360° or multi-lens) eliminate blind zones across open floors. AI features like perimeter intrusion detection, loitering alerts and license plate recognition turn passive footage into actionable intel. A central NVR with multi-channel VMS ensures all data is easy to access and manage across wide areas.



## Loading Dock / Parking Lot

Outdoor zones are often vulnerable to unauthorised vehicle access, theft, and limited visibility — especially after hours. These areas require durable, high-accuracy solutions that can withstand changing lighting and weather conditions.



### Key Considerations:

- Monitoring moving vehicles and identifying plates at entry/exit points.
- Enforcing traffic zones, deliveries, and fleet scheduling.
- Managing large outdoor coverage without extensive cabling.
- Enabling automated access based on vehicle identity or staff credentials.



### Recommended Approach:

License Plate Recognition (LPR) cameras are essential for controlling gate access and logging vehicle traffic. PTZ speed domes allow for real-time tracking, zooming, and deterrent actions with lights/sirens. Junction boxes for dual camera mounting (e.g. IV2490X) help maximise visibility while minimising infrastructure — perfect for long cable runs or retrofit upgrades. Integration with webhooks/API can automate actions like gate opening, light activation, or time-stamped logging into VMS systems.

# SOLUTIONS OVERVIEW BY AREA

## Retail Showroom

**Challenges:** High foot traffic, product theft risk, multiple entry points, and blind spots across shelving and displays.

**Solutions:**

**1** **NC544ADX - AI Deterrent Panoramic Camera**  
Offers a 180° sweeping view to reduce blind spots. Built-in AI deterrent features such as strobe light and audio alerts help deter suspicious behaviour in real time.

**2** **NC512ADX - AI Facial Recognition Motorised Turret Camera**  
AI Facial recognition captures faces at entrances and checkout areas, offering valuable insights with demographic stats and entry tracking.

**3** **NC323ADX - AI Queue Length Detection Fixed Turret Camera**  
AI Queue Length Monitoring helps analyse wait times and manage staffing by identifying customer congestion at POS.

**4** **Multi-Bay (1-16 Bays) / Up to 24TB per HDD Network Video Recorder**  
Most retail stores use a PoE-enabled NVR to simplify installation. This unit stores footage, sends alerts, and enables multi-screen viewing for total visibility.

## Office

**Challenges:** Managing day-to-day activity visibility while maintaining privacy and enabling quick incident reviews.

**Solutions:**

**6** **NC541XA - Perimeter Intrusion Detection 360° Fish Eye Camera**  
Monitors the full room from a single ceiling-mount with minimal intrusion, perfect for general office environments.

**7** **VMS Software Video Management System**  
Allows timestamped reviews and event tagging for security and HR incident management.

## Server Room

**Challenges:** Restricted access, environmental hazards (overheating, fire), and the need for tamper-proof surveillance.

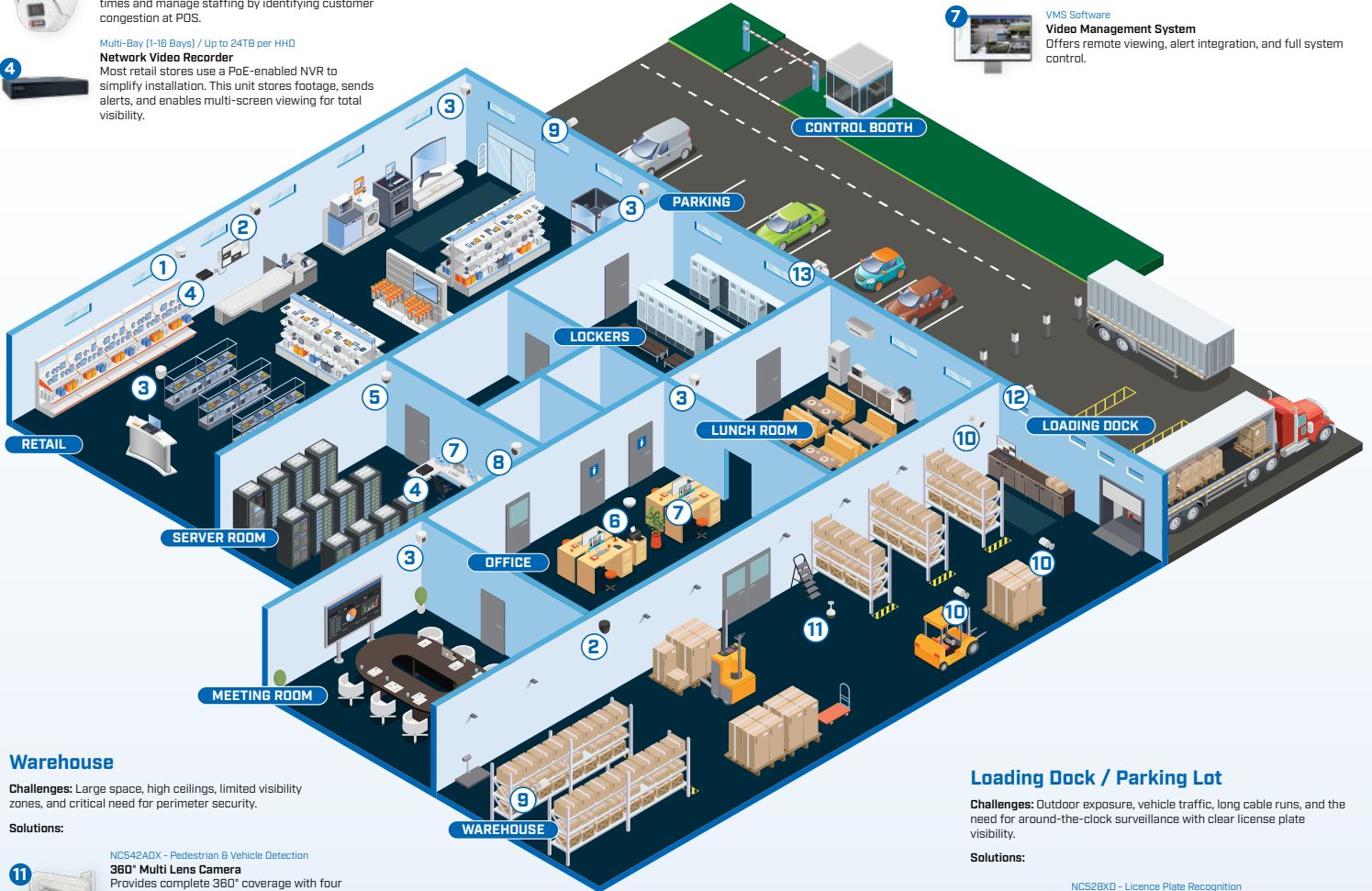
**Solutions:**

**8** **NC620ADX - Temperature Measurement Dual-Lens Camera**  
One lens for full-colour visuals, another for thermal imaging — ideal for early fire detection and temperature anomalies.

**5** **NC550ADX - AI Video Tampering Dome Camera**  
Durable against physical interference with storage, AI alerts for tampering or unexpected movement and microSD support for redundancy data retention.

**4** **Multi-Bay (1-16 Bays) / Up to 24TB per HDD Network Video Recorder**  
Securely stores high-priority footage and enables rule-based alerts. Raid 6 Save to FTP for redundancy

**7** **VMS Software Video Management System**  
Offers remote viewing, alert integration, and full system control.



## Warehouse

**Challenges:** Large space, high ceilings, limited visibility zones, and critical need for perimeter security.

**Solutions:**

**11** **NC542ADX - Pedestrian & Vehicle Detection 360° Multi Lens Camera**  
Provides complete 360° coverage with four adjustable lenses at 8MP each. Built-in AI enables vehicle and pedestrian detection, license plate recognition, and heat mapping — ideal for large warehouse monitoring.

**9** **NC528XD - Licence Plate Recognition Bullet Camera**  
Ideal for mid to long range, particularly over loading bays or access points with clear day/night visuals.

**10** **NC531ADX - PID & Loitering Detection Bullet Camera**  
Wide to mid-range coverage, monitors long aisles and blind spots while using Perimeter Intrusion Detection to detect prolonged presence or perimeter breaches.

**2** **NC512ADX-BLK - Line Crossing Detection Motorised Turret Camera**  
Plays pre-recorded warnings triggered by AI-detected events, ideal for restricted zones.

## Meeting Room / Lunch Room

**Challenges:** Securing confidential conversations and preventing unauthorised access or after-hours room use.

**Solutions:**

**3** **NC323ADX - Human Detection Fixed Turret Camera**  
Offers discreet, high-resolution coverage with reliable fixed-angle surveillance for sensitive meeting and communal spaces.

**4** **Multi-Bay (1-16 Bays) / Up to 24TB per HDD Network Video Recorder**  
Serves as the central storage and control hub, enabling real-time alerts and multi-camera management.

## Loading Dock / Parking Lot

**Challenges:** Outdoor exposure, vehicle traffic, long cable runs, and the need for around-the-clock surveillance with clear license plate visibility.

**Solutions:**

**9** **NC528XD - Licence Plate Recognition Bullet Camera**  
Designed for outdoor use with high-resolution imaging and License Plate Recognition (LPR), ideal for tracking courier and delivery vehicles at entry points and exits.

**12** **NC693ADX - Pedestrian & Vehicle Detection PTZ Camera**  
High-performance BMP camera with 37x optical zoom, IR night vision, and AI smart tracking for real-time monitoring providing comprehensive coverage of large outdoor areas.

**13** **IV2490X Junction Box for Dual Cameras**  
A cost-effective upgrade for older sites with long cable runs. This solution enables two cameras to run from a single PoE connection, doubling coverage without doubling infrastructure.

### PRO-TIP

### Smarter Security with HTTP / Webhook / API Integration

Take your iVSEC system beyond surveillance with powerful automation capabilities thanks to the latest firmware update.

Using HTTP Webhook API, you can seamlessly integrate your cameras and NVRs with IoT devices across your premises — adding smart control and custom automation to your security system.

### What you can do:

- ✓ Automatically unlock a door using Facial Recognition.
- ✓ Open a gate or garage with License Plate Recognition.
- ✓ Trigger external lighting when perimeter intrusion is detected.
- ✓ Manually control third-party devices directly from the iVSEC X App.

Smarter security, tailored to your environment — only with iVSEC.

# ACCESSORIES

Enhance Your Setup

Tailored for *IVSEC & LX-Series*

From mounts and housings to cables and power supplies, these accessories are crafted to seamlessly integrate with *IVSEC* cameras and *NVRs*

## Mounts & Brackets

Black Brackets also available

### SMALL CONDUIT BOX HOUSING IV2477X



Suitable for  
NC110X, NC323X, NC317X

### LARGE CONDUIT BOX HOUSING IV2422X



Suitable for  
NC312X, NC512X, NC528X, NC531X

### SMALL / MEDIUM 90° WALL MOUNT IV2456X / IV2457X



Suitable for  
Dome and Turret Cameras

### JUNCTION BOX IV2480X / IV2490X



Junction Box Passive PoE Splitter  
for Dual Cameras

### 90° WALL MOUNT IV2491X



90° Wall Mount use with IV2490X  
Junction and IV2492X Adaptor Box

### ADAPTOR BOX IV2482X / IV2492X



Adaptor Box for IV2490X Junction  
and IV2491X Wall Mount

## Surveillance Grade HDDs

Surveillance HDD  
with 3 year warranty!



3YR  
WARRANTY

Available in many sizes:

**2TB** 180TB/YR 64MB Cache

**4TB** 180TB/YR 64MB Cache

**6TB** 180TB/YR 256MB Cache

**8TB** 180TB/YR 256MB Cache

**12TB** 550TB/YR 256MB Cache

**16TB** 550TB/YR 256MB Cache

**24TB** 550TB/YR 256MB Cache

### DUAL CAMERA MOUNT FULLY ASSEMBLED



Scan to see the full range!

# AI GLOSSARY

**Note:** AI feature availability depends on the camera model. Most AI features are easy to configure via your NVR (with HDMI output), a web browser, our free VMS software, or the IVSEC X mobile app.

## Licence Plate Recognition

Detects and logs licence plates in real time, supporting allow/block lists, unknown vehicles, database import/export, and backup for automated access control (model dependant) and incident investigation.

## Perimeter Intrusion Detection

Monitors defined zones for unauthorised entry, triggering alerts if a person or object breaches a virtual boundary, ideal for securing sensitive or restricted areas. Includes Loitering duration detection.

## Line Crossing Detection

Generates alerts when people or vehicles cross virtual lines in a specific direction, helping to monitor entry/exit points and improve perimeter security.

## Stationary Object Detection

Identifies and notifies when an object remains in a location too long, useful for detecting abandoned packages or obstructions in monitored areas.

## Face Detection

Automatically detects human faces within the camera's field of view, aiding in real-time monitoring and alert generation based on presence.

## Face Recognition Database

Supports allow/block lists and stranger detection, enabling creation of custom face databases for high-level access control and enhanced facial identification accuracy.

## Cross Counting

Counts the number of objects (typically people) crossing a virtual line, useful for foot traffic analysis in retail and event environments.

## Human and Vehicle Detection

Distinguishes between people and vehicles for precise monitoring and alerts, reducing false alarms from irrelevant movement like animals or tree branches.

## Crowd Density Detection

Measures the number of people in a defined area, helping to detect overcrowding and enhance public safety in high-traffic locations.

## Heatmap

Visualises motion patterns over time, highlighting the most active areas within the camera's view, ideal for retail analysis or behaviour tracking.

## Queue Length Detection

Monitors queues in real-time and sends alerts when lengths exceed defined thresholds, aiding in service efficiency and customer flow management.

## Motion Detection

Identifies movement within the camera's field of view, triggering real-time alerts and recording based on activity to help detect potential threats or suspicious behaviour.

## Automatic Network Replenishment

Stores footage on an SD card during network loss and automatically uploads it to the NVR once the connection is restored, ensuring no data is lost.

## Rare Sound Detection

Detects uncommon or abnormal sounds such as glass breaking or sudden loud noises (barking dog, crying baby, and gunshot), triggering alerts for potential security threats or emergencies.

## Sound Detection

Monitors ambient noise levels and alerts on specific audio patterns, enhancing awareness in environments where visual coverage is limited.

## Enter Region

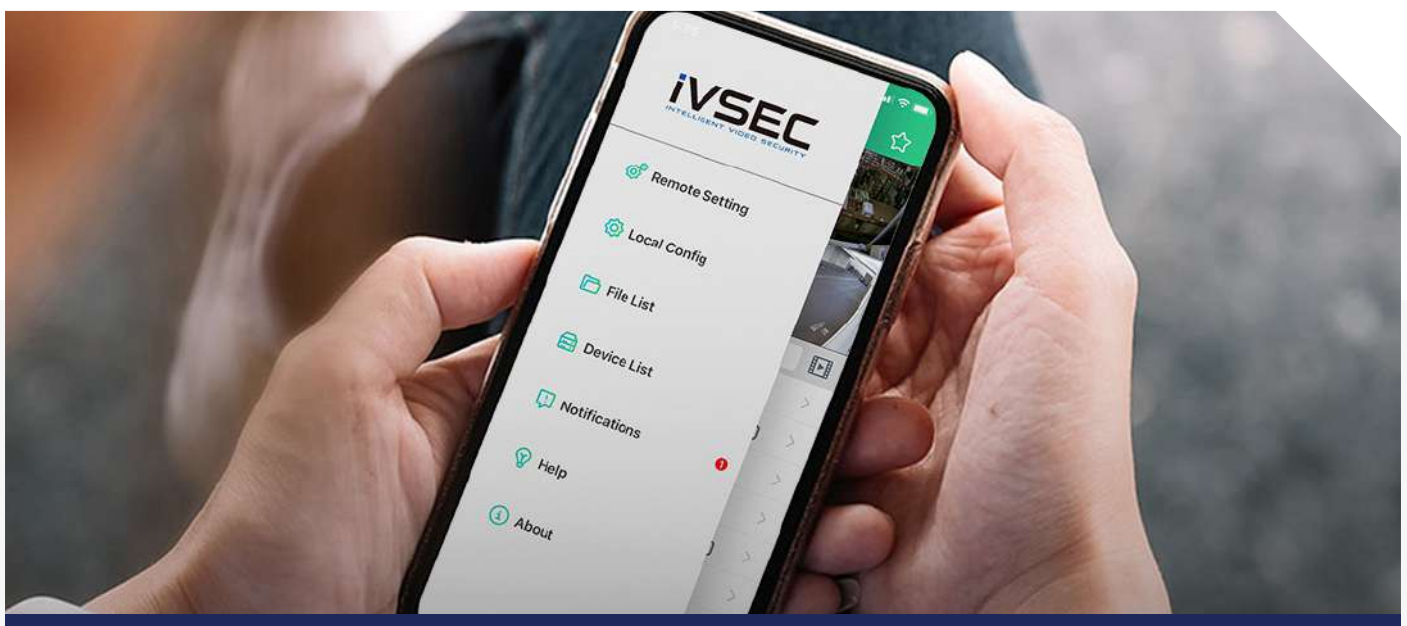
Triggers alerts when a person or object enters a defined area, allowing focused monitoring of sensitive or restricted zones.

## Exit Region

Generates alerts when a person or object exits a monitored area, useful for tracking movement or detecting unauthorised departures.

## Video Tampering

Detects attempts to obstruct, move, or disable the camera, alerting operators to potential sabotage or interference with surveillance operations.



# ABOUT US

## Unparalleled peace of mind and protection

iVSEC, a prominent brand in quality surveillance solutions, emerged from the AUTREX group in 1991. We distribute our products globally, offering intelligent video security solutions for diverse customers, including corporate security firms, commercial establishments, and residential users. Our reliable and easy-to-install product solutions cover security cameras, recorders, and analytics, catering to various budgets. All our products comply with the John S. McCain National Defense Authorization Act (NDAA) and operates as a wholly owned subsidiary of Media Hub Digital Smart Home Pty Ltd, an Australian-owned company.



## What iVSEC offers you



Trusted and locally tested products



Free video management software



Local technical support  
1300 146 373



Integrates into Google & Alexa



Free mobile phone app



NVR Storage Calculator

## Making it easier for you



### Drop Shipping

Dropship deliveries and VIP Point to Point services available



### Centralised Warehousing

NSW, SA, VIC and QLD



### Editable Marketing

Easily add your own companies details to brochures and flyers



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