



# Residential Solutions



## Solutions for increasingly complex developments

The modern residential market has evolved to include mixed use developments combining residential and commercial premises to maximise value and optimise use of space.

Mixed-use projects attract a diverse community with users such as residents, but also customers, and visitors who all have different expectations that require to be managed and prioritised.

At Hanhwa Techwin we understand that there is no one size fits all and can offer solutions and products that are scalable for small to large scale Multi Dwelling Unit projects, from cameras to network video recorders, ANPR, intelligent analytics, intercom, multiple viewing platforms and recording solutions.

## Highlights

- **Extensive camera range** - to suit residential and commercial tenants' needs and budget.
- **Reduce your infrastructure** - with our series of embedded ethernet ports NVRs and PoE extender cameras.
- **Control of your system with multiple viewing solutions** - simple-to-use workstation interfaces as well as smartphone access.
- **Intelligent analytics** - On-camera embedded data, video and audio analytics.
- **Serverless ANPR** - ideal for car park access control with no server required.
- **Privacy matters** - area masking and video export with face blurring.
- **We move with Trust** - Confidence in the brand with 5 year warranty.

## Versatile cameras

Our camera series are designed to meet all size projects and budgets, offering essential features such as vandal and weather proof housings, varifocal lenses, various megapixel resolutions delivering sharp and clear image quality, as well as advanced features such as video and audio analytics.

- **Optimise your coverage** – from fisheye to multi-sensor cameras reducing the number of conventional cameras required
- **Clarity and detail** - From dark to bright scenes
- **Power options** – connect to conventional power source or use network PoE
- **Bespoke colour finish** – cameras can be professionally sprayed to colour blend with any surface
- **Intelligent analytics** – On-camera embedded video and audio analytics
- **Improved bandwidth and storage** – WiseStream II combined with H.265 compression optimises remote streaming over broadband and reduces storage file size saving on hard disk drives

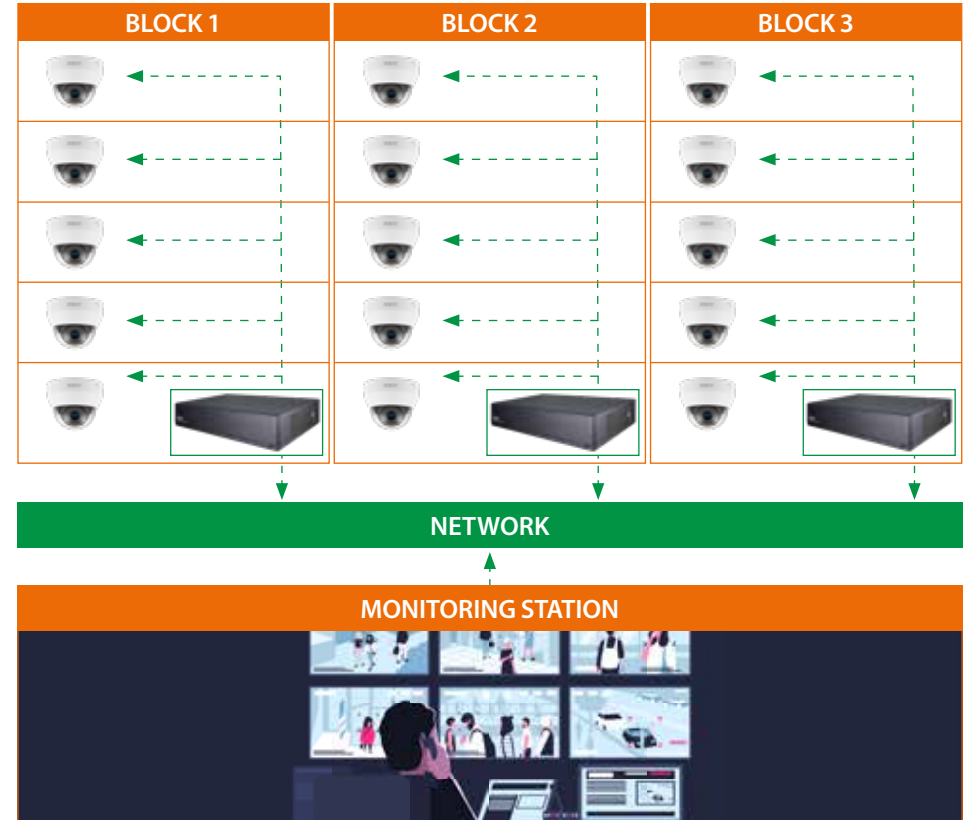
Super Compact Mini Domes	Standard Domes	Fisheye Cameras
Discreet surveillance and lifts	For general internal and external installations	Ideal for large area 360 degree coverage with a single camera
		
Vandal Domes	PTZ Cameras	Bullet Cameras
For general internal and external installations	For perimeter monitoring	For external and directional installations
		

## Video recording

Hanhwa Techwin can offer multiple storage solutions whether it's for decentralised installations using multiple NVRs strategically placed in a secure space of each building block or centralised using high density storage servers in a single location.

### NVRs key features:

- **Plug & play PoE ports** - no need for dedicated network switch
- **Multiple channel configuration** - available in 8/16/32/64
- **Flexible hard drive storage** - with multi-bay configuration
- **Local monitoring** - over HDMI / VGA ports
- **Secure access** - encrypted IP connection and multiple user and permission configuration
- **Smart viewing** – Mobile and PC



## Existing installation?

Moving away from legacy analogue cameras can be a headache due to budget or other complex issues. Wisenet Pentabrid recorders are designed to enable a quick, seamless and cost-effective migration to an IP network based video surveillance solution.



## Reduce your infrastructure requirements with PoE Extender Cameras

PoE extender cameras offer a cost-effective way to add a camera to an existing system or install a new two camera video surveillance solution. By utilising loop in and out Ethernet connectivity, network switch port allocation is reduced and network cabling requirements are minimised, overall benefiting faster installation time and reducing end-user disruption.

- CCTV Camera system: Pair up Wisenet PoE Extender camera with another camera.
- CCTV Camera system with IoT device: Pair Wisenet PoE Extender camera with another device such as Wi-Fi APs, speakers, input/output modules.

## Smart Video Management System

Wisenet WAVE VMS is most powerful yet light and simple with an emphasis on simplified user experience. It uses unique adaptive scaling technology which dynamically switches between the high resolution and low resolution images depending on the CPU usage of the client PC. It is an endlessly customizable IP Video Management platform that gives users the ability to create tailored networked video solutions for any type of project, for use by anyone, on any device.

- **Intuitive and User Friendly** –drag and drop, unlimited number of layouts and resizing
- **Smart search** - based on video motion and analytics
- **Multi platform support** - desktops, mobile devices, servers, and low-powered embedded devices
- **Support for wide range of operating systems** - Windows, Linux, Apple macOS, Apple iOS and Google Android
- **WAVE Sync** - A cloud-based service which can be remotely accessed
- **Resilient** - Automatic failover & scheduled or real-time archive backup
- **Server Health Monitoring** - real-time dashboard and alerts
- **Open platform & Integrations** - Access to all of our API's and supporting documents



## Serverless ANPR Solution

Designed to offer an affordable and simple edge-based solution for car parks with multiple entrances/exits, barriers or shutters.

- **Serverless** – no need for dedicated server, all intelligence is built into the ANPR camera which can support up to 3 additional slave cameras
- **Automate and time schedule** your car park access with white and black list function, vehicle count and daily use metrics
- **Access control** – our hardwired input/output feature can trigger barrier, shutter, gate or even act as lift call button enabling a customer to complete his journey
- **API integration** – with our Wisenet open platform other solutions can integrate with our system



## Intelligent audio and video analytics

Our analytics, included on board many Wisenet cameras, help users to respond immediately in dangerous situations, by classifying sounds such as gunshots, breaking glass, screams and explosions.

- **Lost** detect objects which appear to have been abandoned in public areas
- **Loitering** detect suspicious behaviour of people remaining for longer than a pre-configured period of time
- **Intrusion detection** in forbidden areas and crossing virtual lines detection
- **Smoke & fire detection** – increase your chance of early detection

