



Solutions **Built for Healthcare**



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From the smallest regional hospital to the busiest trauma center to a global medical university, video surveillance is playing a larger role in every healthcare setting.

With patient admissions increasing and an annual average of more than 1 million patient-related accidents reported nationwide – one-third of them cited as preventable – healthcare organizations need flexible and effective security and surveillance solutions.

Easy-to-install discreet, vandal-resistant and multi-sensor cameras can monitor parking garages, entrances/exits, emergency rooms and waiting rooms. A full suite of on-board license-free intelligent video and audio analytics included with many Hanwha products automates these tasks, helps healthcare facilities reduce costs and ultimately improves patient outcomes through increased overall efficiency.

Non-recording solutions can be used in sensitive areas or for remote patient monitoring. Cameras with license plate recognition technology integrated with access control and video management systems can record vehicle license plates upon entry and exit and alert staff to the presence of unauthorized vehicles.

Hanwha Vision's versatile healthcare security and surveillance solutions are the right choice for keeping staff and patients safe, protecting data privacy and maintaining a welcoming public environment.



Remote Patient Observation & Monitoring Solutions

Healthcare facilities are deploying discreet intelligent video observation solutions to monitor various types of patients from a remote location. With the help of custom alarms, Hanwha Vision's IP non-recording camera devices with on-board license-free video and audio analytics let staff monitor multiple patients from a single remote workstation.

Benefits of remote patient monitoring with Hanwha Vision's solutions:

- ✓ Monitor several patients from a single remote monitoring workstation
- ✓ Interact with patients in real time with integrated communications
- ✓ Privacy masking to enhance patient privacy
- ✓ Advanced video analytics to help manage and supervise patients
- ✓ Camera call-up with integrated nurse call platforms
- ✓ Easy setup with Wisenet WAVE VMS video wall feature

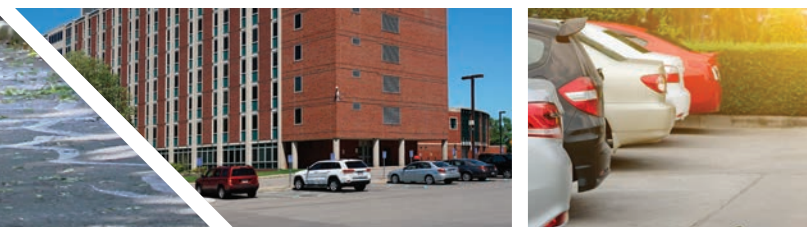


License Plate Recognition

Enhance your hospital security team's efficiency by automating the time-consuming task of logging vehicles by license plate number as they enter and exit parking or sensitive areas. Hanwha Vision cameras with license plate recognition (LPR) technology are completely operational out of the box and fully integrated into Wisenet WAVE VMS and other popular video management systems and access control solutions.

✓ License plate recognition features

- ✓ Camera sends vehicle license plate information to video management system or access control solution
- ✓ Data can be used to produce VMS bookmarks for later review
- ✓ Solution is simple to install and automate



Flexible IP Camera Solutions

Hospitals and medical centers are busy places with high-volume, diverse traffic coming and going through every area: physicians and medical teams, patients and families, first responders, law enforcement and students. Often much of this activity needs to be monitored, tracked, recorded and stored, either for patient care, investigative use or record-keeping. Hanwha Vision IP camera solutions in a variety of conventional and modular form factors can address any healthcare security and surveillance need.

✓ Adaptable PTRZ technology

Modular camera models with PTRZ technology let users adjust fields of view (FoV) remotely even after installation is complete to adapt to space reconfigurations and new room designs.



✓ High-resolution IP Fisheye Cameras

See a full-detail, 360° panoramic view of an entire room or area with a single camera



Fisheye



Single Panorama



Double Panorama

✓ Discreet Form Factors

IP cameras in anti-ligature, flush-mountable and micro-dome form factors provide full area coverage without sacrificing environmental aesthetics.



Parking Lots



Elevators



Hallways



Waiting Rooms



Entrances



Supply Rooms

Innovative Multi-sensor/Multi-directional IP Cameras

Hanwha Vision two- and four-sensor multi-directional IP camera solutions include motorized Pan-Tilt-Rotate-Zoom (PTRZ) capabilities eliminate the need for multi-camera installations. Each multi-sensor IP camera is installed with a single cable and works with most VMS using just a single device recording license.



1 2 3 4
4CH Multi-directional camera



✓ 2 and 4 channel camera features

- ✓ Motorized PTRZ and selectable lenses
- ✓ Easy installation cable runs to a single location
- ✓ Single-license use with most VMS

A simple, scalable, and powerful VMS solution

Wisenet WAVE VMS is a lightweight, feature rich, simple and scalable video management solution capable of supporting up to 128 IP video streams per server and fully integrated with Wisenet NVR and IP camera video and audio analytics.

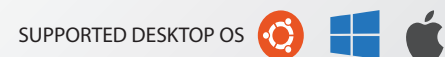


WISENET WAVE

- ✓ **Easy setup** – complete system install and configuration in minutes
- ✓ **Flexibility** – drag and drop interface with resizable viewing panes for intuitive navigation
- ✓ **Compatibility** – full integration with SUNAPI 2.0 Wisenet device features and advanced analytics and other popular 3rd party security solutions
- ✓ **Reliability** – robust server hive architecture ensures continuous system uptime
- ✓ **Portability** – accessible from anywhere via WAVE Sync with mobile client applications
- ✓ **Accessibility** – add an unlimited number of users to a single system, each with custom or preset roles



WAVE Sync Desktop Mobile Server



SUPPORTED DESKTOP OS

License-free Analytics

Gain deeper insights into the efficiency of your staff and operations by creating customized analytics zones and event-based alarms. Hanwha Vision includes license-free business, video and audio analytics on many of its IP camera products.

Cyber Security Features



Complex password requirements - Users must create a new administrative password when they first setup each Hanwha Vision device. Hanwha passwords require a minimum of eight characters using up to three categories of characters. Four or more consecutively used characters are not permitted.



Authentication and encryption - Hanwha Vision cameras and devices using digest authentication encrypts user credentials instead of sending them over a network as plain text. This measure secures login data against the possibility of network intrusion attempts and, when used with SSL encryption, networks become nearly impervious to third-party attacks.



Network hardening guides - Hanwha Vision regularly publishes new white papers and guides focused on product safeguards, known vulnerabilities and recommended tactics for mitigating cybersecurity risks. You also have access to our online support portal, the Hanwha Vision Knowledgebase and community of industry professionals.

Intelligent Video & Audio Analytics



Face detection - Identifies key facial features and issues alerts when a face is present



Virtual line crossing detection - Triggers an alarm when objects are detected crossing a pre-defined virtual line or perimeter.



Loitering detection - Triggers an event when an object enters and rests in a designated virtual zone



Intrusion detection - Triggers an event when movement is detected in a designated virtual zone



Appear/disappear detection - Detects the appearance or disappearance of an item in a designated virtual zone



Enter/exit detection - Detection of objects entering or exiting a designated area

Audio analytics - Detects and identifies the sound of explosions, gunshots, screams, and breaking glass



Gunshot



Glass Break



Scream



Explosion

**Camera features and analytics vary by model*