



Hanwha Techwin

Hanwha Techwin, with a base for Security R&D and production in South Korea, produces hi-tech video surveillance devices, and is expanding its network globally.

Through its endless innovation and continuous growth, Hanwha Techwin strives to become the global leader in video surveillance.

Global Business

Worldwide business network of 900 clients and 5,000 partners in 120 countries

WISeNET

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TOTAL SECURITY SOLUTIONS

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Hanwha

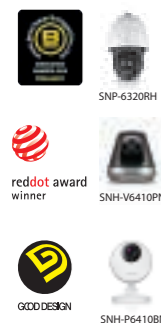
Hanwha is ranked as the 8th largest corporation in South Korea based on asset size, and is a Fortune 500 company. With 56 affiliates and 228 global networks, Hanwha's global businesses span the manufacturing and construction; finance, and service and leisure industries. With its 25 years of technological knowledge and expertise in optical and image processing, Hanwha Techwin is leading the CCTV and video surveillance market.



Security Solutions

- 1977 Established the company
- 1991 Initiation of video surveillance business
- 1993 Development of the nation's first iris lens for CCTV
- 2001 Techwin Europe corporate established
- 2001 First WDR camera launched
- 2008 Release of the world's first 37x PTZ camera
- 2009 Techwin Tianjin & Shanghai corporates established
- 2010 Samsung Techwin acquires Samsung's video surveillance business
- 2011 Initiation of B2C business (SHC, AIO)
- 2012 Release of the world's first 37x zoom interworking IR PTZ camera
- 2013 Release of Wisenet III camera
- 2014 Acquired i-LIDS certification (UK government VA certification system)
- 2015 Hanwha group acquires Samsung Techwin and Hanwha Techwin is established
- 2016 Development of **WISENET 5** ISP chip(SoC)

AWARD



Based on world class optical image processing technology, Wisenet provides high-resolution cameras, recording devices and enterprise management software. For a complete security solution including intelligent image analysis technology **Hanwha** offers a full lineup of image surveillance solutions.



WISENET

WISENET is the signature brand of Hanwha Techwin's security business. It embodies the spirit of building a safe, secure, and connected world.



Value-added

Hanwha Techwin's Security business has one of the world's best image processing technologies. Accumulated over 25 years, it has developed its own chipset, and offers competitive, world-class products. Hanwha Techwin is also developing a precise, high resolution camera with its optical and camera tube design technology from over 30 years of experience. Its unique image analysing algorithm provides distinguished intelligent video analytics solutions. In addition, its highly compressed image technology helps maximise the effectiveness of transmission, recording, playback of data.



- Hanwha Techwin's video compression technology, WiseStream
- Utilises Dynamic GOV, LPF, Dynamic FPS
- Improves bandwidth by up to 99%(WiseStream II)



- Auto tracking
- Face detection
- Tampering
- Sound classification (gunshots, breaking glass, explosions, screams)

Assured

Hanwha Techwin has an evaluation environment that ensures reliability from development to introduction of product. It has also established a world-class quality competitiveness through rigorous testing and evaluation.



Image quality evaluation



ALT/HALT



Waterproof



Temperature & Humidity



Vibration



Live test and demonstration



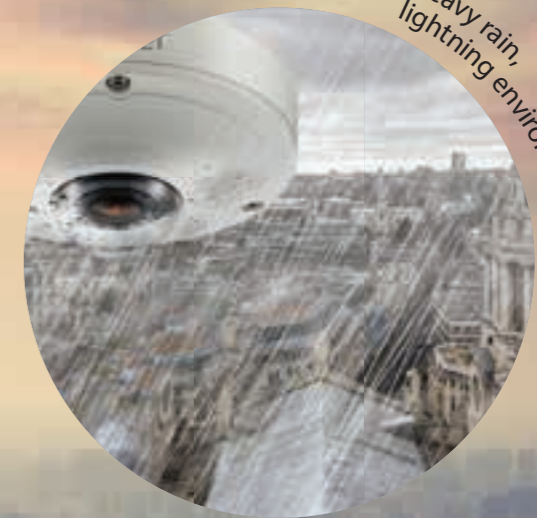
High-temperature, desert environment



Low-temperature, heavy snow environment



Salinity, high humidity environment



Heavy rain, lightning environment

Complete

To ensure impregnable cyber security, Hanwha Techwin operates high-level security policies, including user certification, firmware encryption, and backdoor removal.



Open Video Platform

Intuitive and easy to use

- An intuitive 'drag & drop' tool makes it extremely easy for operators to set up a display of live and recorded images on a single screen or video wall, with customisable layouts and sizes.
- A virtual PTZ which, with just simple clicks of a mouse, enables operators to zoom in to see close up detail of any suspicious activity.
- Motion detection and video analytics support can be configured to generate alerts when user defined incidents occur.
- A wide range of smart, keyword, calendar and time-slice search options facilitate rapid retrieval of recorded video.

Hanwha Techwin offers an entry level VMS called SSM and for sophisticated Enterprise level VMS projects, the company integrates with leading technology partners. Wisenet WAVE has been launched to answer the needs of projects in the middle ground with an emphasis on simplified user experience.

An operating system to suit your needs.

Wisenet WAVE has applications for all major operating systems so our users are not limited by what device or operating system they choose to use on their desktops, mobile devices, rack mount servers, or even low-powered embedded devices.



Cloud

A cloud-based service that enables simple, centralised remote access and insight into any Wisenet WAVE system.



Desktop

A rich media player designed to view and manage a single Wisenet WAVE system from a desktop or laptop PC.



Mobile

A mobile app designed for viewing Wisenet WAVE system video and events while on-the-go.



Server

A media server responsible for discovering, connecting to, and managing system devices and data.

Hanwha Techwin specific features NVR monitoring, search & playback; and deep camera integration with:

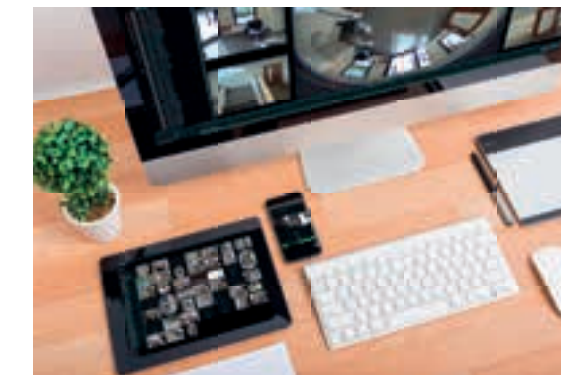
- H.265
- Wisestream
- All triggering Events including sound classification, loitering and queue management
- Simple focus setting
- Multi directional camera support
- Hallway view
- HTTPS
- Time Settings
- Camera profile / Image configuration
- PTZ preset sync

SUNAPI 2.0 INTEGRATION

Hanwha Techwin has launched Wisenet WAVE with full SUNAPI 2.0 integration for WISENET cameras and recorders.

Full SUNAPI 2.0 driver has been rigorously tested with Wisenet P, X, and Q series cameras resulting in:

- Video/Audio Streaming
- Event – MD, Alarm
- PTZ
- Edge recording



5 Year Partner Warranty

Hanwha Techwin Silver, Gold and Diamond level STEP Partners benefit from an extended 5 year warranty on all Wisenet IP cameras and NVRs.* Non-partners can still take advantage of a 3 year warranty.

* Warranty covers parts and labour on all Wisenet IP cameras and NVRs. Excludes zoom/focus functionality, pan/tilt motor assemblies, slip-rings and HDDs, which remain at 3 years. For more information visit step.hanwha-security.com

Product lineups

P series

The **WISENET P** series delivers 4K ultra high definition resolution with a long list of features and superior compression technologies- a perfect combination for applications that demand the best.



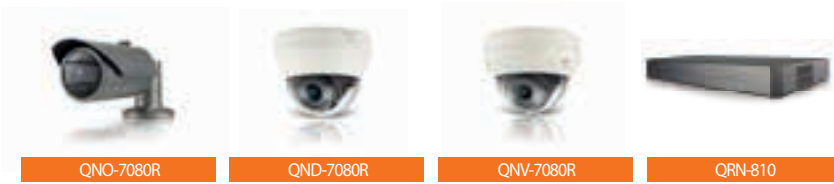
X series

The **WISENET X** series are powered by Wisenet 5, a high-performing chipset, built with Hanwha Techwin's core technologies in image processing and network transmission.



Q series

The **WISENET Q** series is a line of affordable cameras which offer essential features ideal for small to medium applications.



L series

The **WISENET L** series is a cost-effective entry level range of Full HD cameras equipped with essential features. The range is ideal for multi-camera projects.



T series

The **WISENET T** series is a product lineup for a specific vertical such as an industrial plant. The range includes explosion-proof cameras and thermal cameras that are suitable for hazardous environments.



HD+ series

The **WISENET HD+** incorporates AHD technology which delivers superb quality HD images over existing coax cabling. The series is designed to appeal to end users who want to capture and record Full HD images.

