



Installer Friendly Product Features & Configuration Tools

Best in class products are not the only reason behind our success. Our installer friendly features and tools undoubtedly play a part in explaining why Wisenet has become the brand of choice for so many.

Installer Friendly Product Features



Wisenet X PLUS Modular designed cameras

With a four-part magnetic modular design which simplifies the installation process, Wisenet X PLUS dome cameras are equipped with numerous practical features which help minimise the time installers have to spend on site.

Benefits:

- Magnets which lock sensor modules into the dome housing, negating the need to screw the component parts together.
- The modular design means that only the cameras' bases have to initially be installed at the first fix stage.
- Camera replacement is easy and efficient as there is no need to uninstall the whole camera. Instead, engineers need to just simply unclip the magnetic camera module.



Magnetic Modular Design



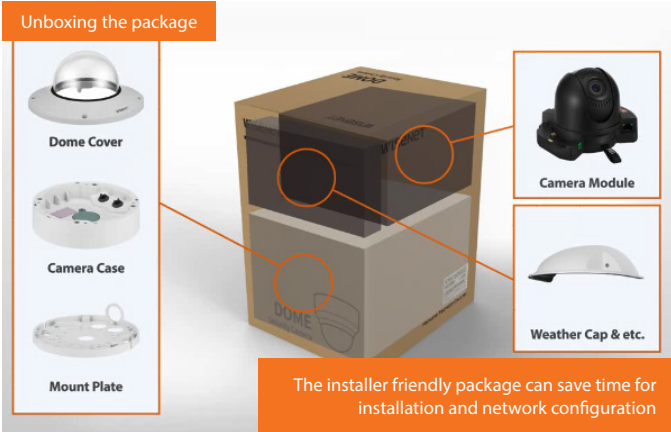
Installer friendly packaging

Access to a camera and its network port without having to take it out of its packaging provides the option to prefigure IP network settings from the convenience of a system integrator's workshop.

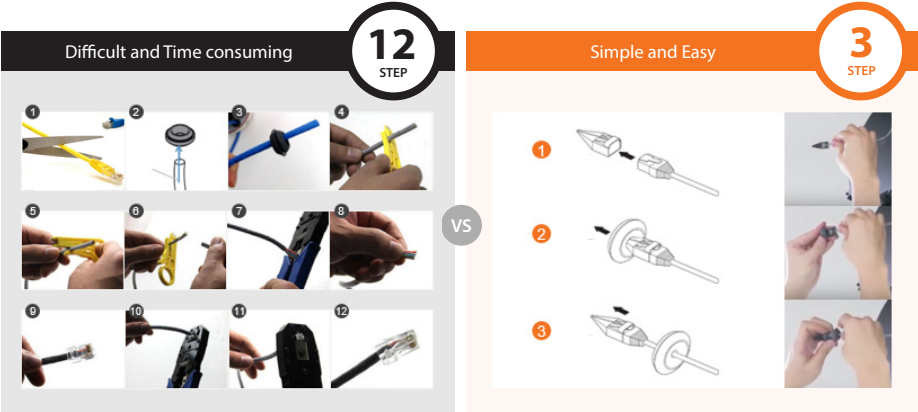
The compartmented packaging makes it easy to access the parts you need without having to open all the boxes



at once. The box containing the lens and electronics can be handed over to the commissioning engineer for configuration, whilst the other box can be given to the installation engineer to mount the plate to the wall or ceiling.



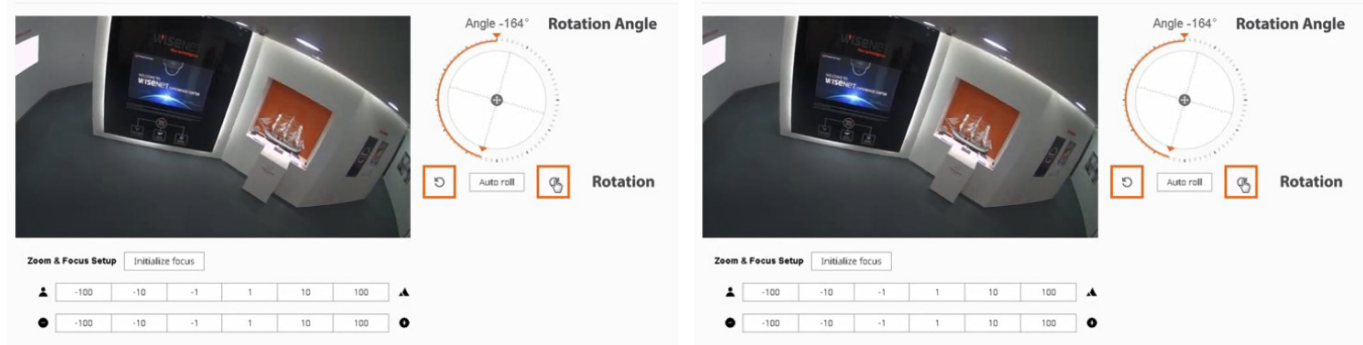
Easy installation



Benefits:

- The network cable can be inserted through the camera's waterproof gland with the aid of an RJ45 plastic push-through device. This reduces installation time as it removes the need to re-crimp cable ends.
- The mounting plate offers multiple drill hole layout options.





- A motorised Pan Tilt Rotate Zoom (PTRZ) gimbal which enables installers to remotely pan, tilt, rotate and zoom the lens position in order to set the camera's field of view, saving time and installation costs.



Weather cap



UL2048 Plenum Rate



Gore Valve

- A Gore valve protects the camera housing against water, salt or corrosive liquids and can be supplied with an optional weather cap or skin cover.
- Choice of PoE or 12V DC power supply.
- An extended tilt range of up to 85 degrees provides wide area coverage, enabling the Wisenet X PLUS to be used to monitor staircases or locations which have low ceiling heights, without the need to install bracketry for tilt purposes.
- Wisenet X PLUS cameras are UL2048 Plenum rate, which means installers can safely locate them onto ceilings which have air-conditioning inside them.
- As is the case with many other Wisenet cameras, IP6K9K, IP67, IP66 and IK10+ ratings mean that Wisenet X PLUS cameras can be deployed in a wide range of demanding environments.
- These features apply to flush, as well as surface mounted, Wisenet X PLUS models.



Wisenet PoE Extender Cameras

System expansion with minimum disruption

Being part of the Wisenet X PLUS series, the PoE extender cameras are able to offer the same long list of practical and time saving features, but most importantly they provide 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 ports allocation is reduced and network cabling requirements are minimised, resulting in faster installation time and reduced end-user disruption.



Benefits

- By simply replacing the existing camera with a PoE Extender product, you can install a new camera without worrying about additional power supply.



Old Camera

Replace the old camera with the new **PoE Extender camera** and move the old camera to the new location

Using the conduit pipe, **PoE Extender camera output** to the old camera in the new position

- Easily add a camera to an existing system and cover a greater distance.
- Perfect solution for two camera installation with one power source (PoE+).
- Use the power supply from the PoE extender for other devices such as Flood Lights and Motion Sensors.
- Quick and simple installation with magnets which lock sensor modules into the dome housing.

Wisenet X PTZ PLUS

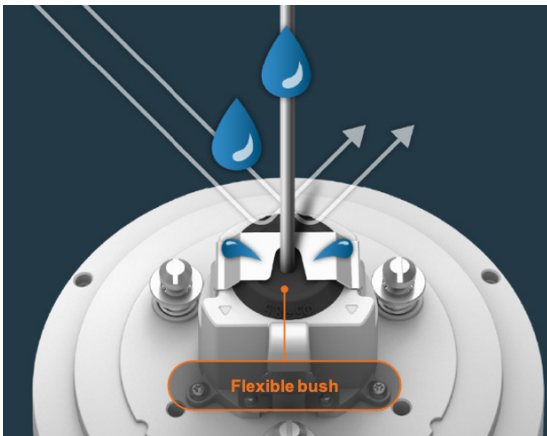
65% lighter than most PTZ domes for easy & safe installation

Compact and approximately 65% lighter than most PTZ domes, the camera-mount installed Wisenet X PTZ PLUS cameras can be quickly and easily deployed, requiring engineers during a first fix to just 'match 3 points and twist'. This conveniently enables them to tighten screws without having to hold onto the camera. Unlike conventional PTZ cameras which require up to 5 separate cables, the Wisenet X PTZ PLUS only needs a single RJ45 cable to operate and this is installed with a flexible bush to ensure the camera is waterproof.

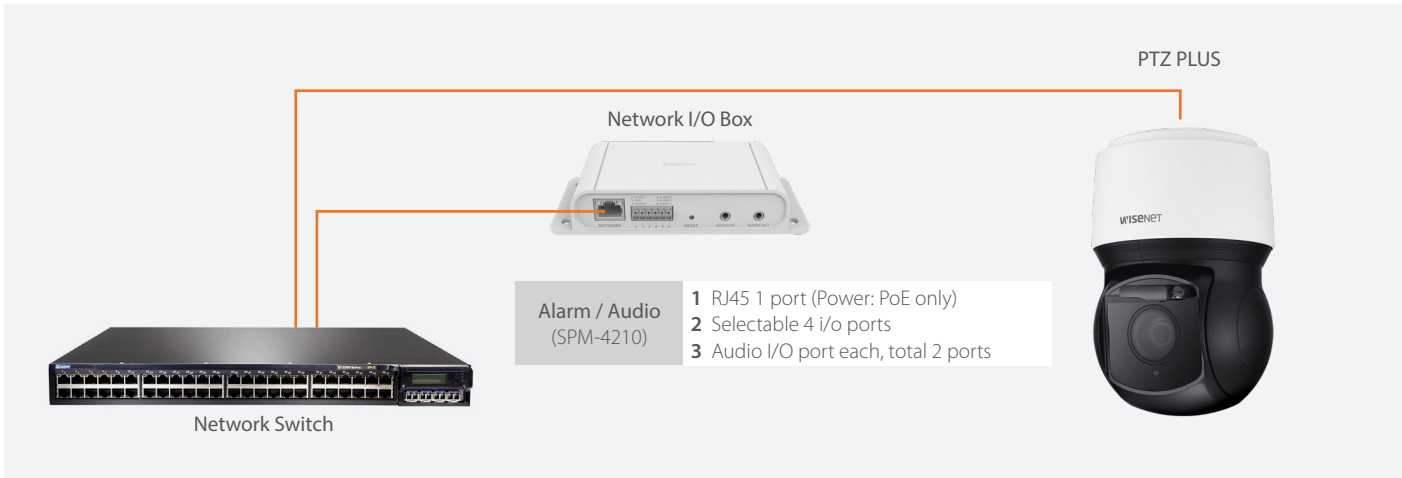


Highlights:

- Compact size, light weight for easy installation.
- 1 terminal with 1 cable, easy cable connection.
- Simply match three points (joints) to connect and twist for initial connection.
- A single cable connection and the flexible bush make waterproofing and installation easy. No need for cutting and re-crimping of the network cable.



- Alarm and Audio connections are easier to wire indoors with Network I/O Box and built-in audio in/out functionality avoids the need to install a separate device to add audio capability.



Multi-directional cameras

Much easier than installing multiple individual cameras, for an even better result!

Multi-directional cameras offer cost savings for both system integrators and end users, as multi-sensor cameras use less cable, conduit and mounting hardware, compared to what would normally be required to enable up to four separate cameras to do the same job. With less network connections, they also require fewer switches.

2CH Multi-Directional Camera



3CH Multi-Directional Camera



4CH Multi-Directional Camera



Multi-directional Camera with PTZ



4 CH Remote Head Camera Module

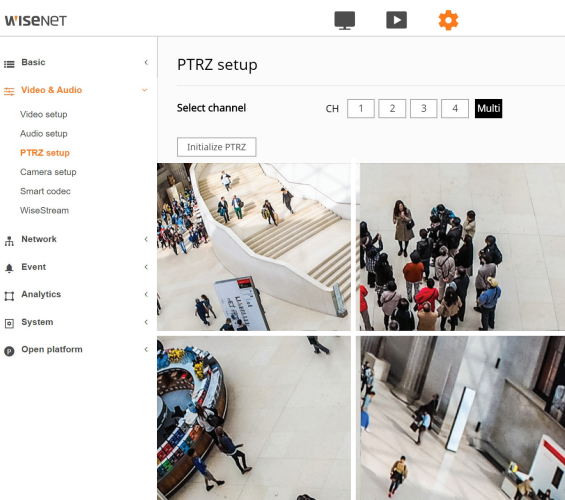


Life will also be much easier for installers if models equipped with motorised Pan Tilt Rotate Zoom (PTRZ) gimbals are specified. These will reduce on-site times as they enable engineers to remotely pan, tilt and rotate the lens' positions in order to set the camera's field of view.

Benefits:

- Reduced installation time - only one device to be installed instead of many separate ones, one VMS license and one cable connection.
- Easier and quicker to install with motorized PTRZ gimbals, no need to adjust the lenses at the installation phase.

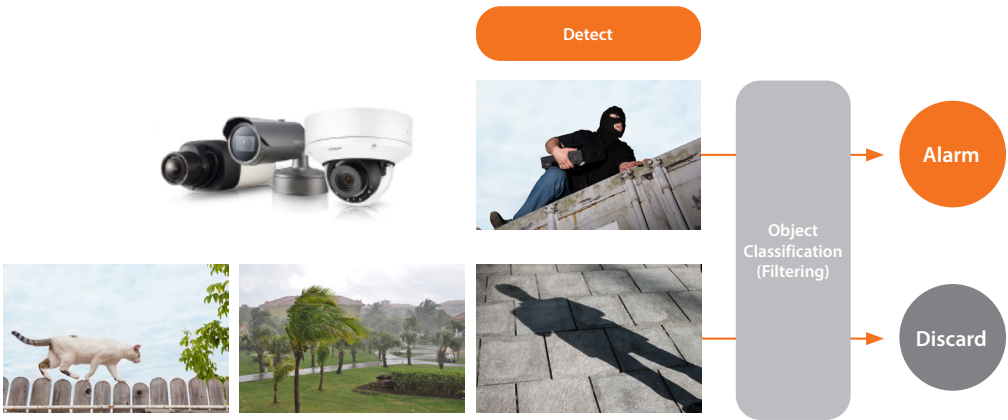
Remote motorized PTRZ control for easy installation



Wisenet AI cameras

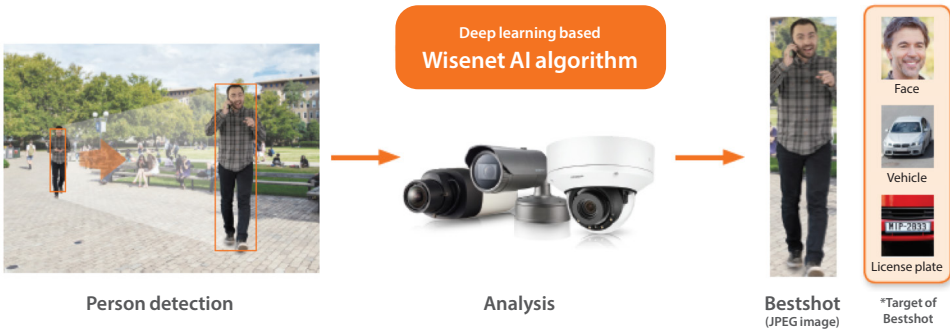
Equipped with artificial intelligence ready to work out-of-the-box

Eliminating false alarms has been a challenge for installers ever since electronic security systems were first deployed. Technology has recently come to the rescue in the form of Wisenet AI cameras. Equipped with Deep Learning AI video analytics, these cameras offer a high level of detection accuracy, whilst eliminating end-user client dissatisfaction caused by false alarms.

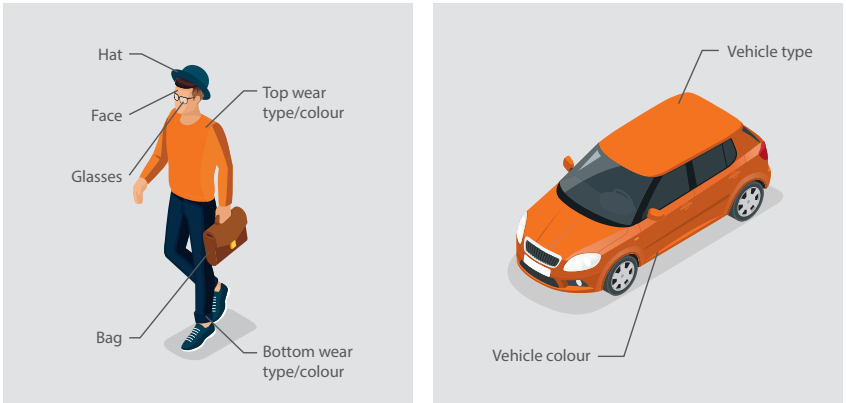


Benefits

- Installers do not need specialist knowledge to provide clients with maximum benefit from Deep Learning AI – It simply works!
- Unlike conventional video analytics, installers do not have to carry out time consuming fine-tuning measures to match site conditions or the end-user's operational requirements.



- Wisenet AI algorithms can be used to count people and identify attributes, such as age group and gender. This enables installers to generate new sales opportunities by helping businesses gain a greater understanding of customer demographics.
- Feature rich Wisenet AI cameras give installers a competitive edge and help them stand out in a crowded market, by truly adding value to the video surveillance solutions they offer to clients.



Wisenet Wave PoE NVR Series Preinstalled with Wisenet WAVE for simpler delivery of advanced VMS functionality

The new Wisenet WAVE PoE NVRs are designed to provide a simple delivery of the highly popular Wisenet WAVE video management software (VMS), without having to install a server. The built-in PoE switches also provide an installation time saving method of supplying power to connected cameras.



Benefits:

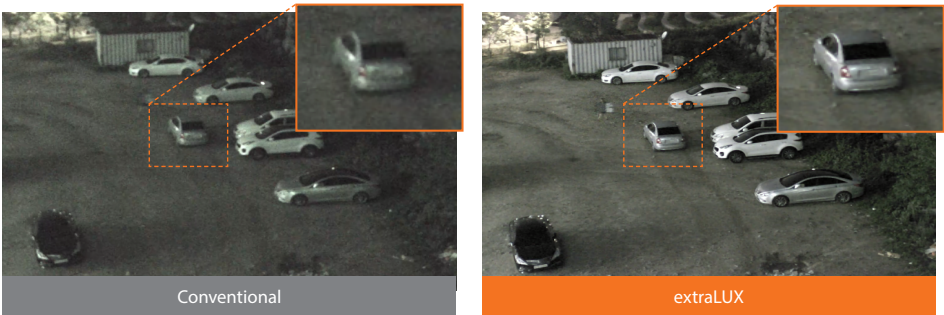
- Preloaded with 4 WAVE professional licenses to ensure quick and easy deployment with minimum setup time, with the option to quickly and easily purchase additional licenses, when required.
- Ready to be used, out-of-the-box.
- Built-in PoE switch provides an installation time saving method of supplying power to connected cameras.
- One-stop customer support for combined hardware and software solutions.
- Intuitive and easy to install and configure Wisenet WAVE VMS.

Technologies which provide effective video surveillance solutions, regardless of lighting conditions

The wide range of imaging enhancing technologies built into the Wisenet cameras means installers are able to spend less time commissioning cameras on sites where there may be low or contrasting light and more often than not, the need to install supplementary lighting is avoided.

Look out for Wisenet cameras equipped with the following:

- **extraLUX:** Thanks to a 1/2" CMOS sensor and 3D noise reduction technology, Wisenet X extraLUX cameras have outstanding sensitivity and Signal to Noise Ratio (SNR), enabling them to capture superb quality images in low light environments.



- Advanced Wide Dynamic Range:** Many Wisenet cameras feature WDR, which performs at up to 150dB to accurately produce images in scenes that simultaneously contain very bright and very dark areas. Unlike conventional WDR which captures images by taking 2 frames taken at different exposures, this utilises 4 frames captured at different exposure levels to process the image.



- ‘Extreme’ Wide Dynamic Range:** The latest generation of Wisenet cameras with Wisenet7 chipsets feature ‘extreme’ WDR which utilises new Local Contrast Enhancement and Scene Analysis technologies to capture ultra-clear images from scenes containing a challenging mix of bright and dark areas.

Long Exposure

Short Exposure

Tone mapping / Contrast Control

Creates optimized WDR image

Outdoor Waterproof Features

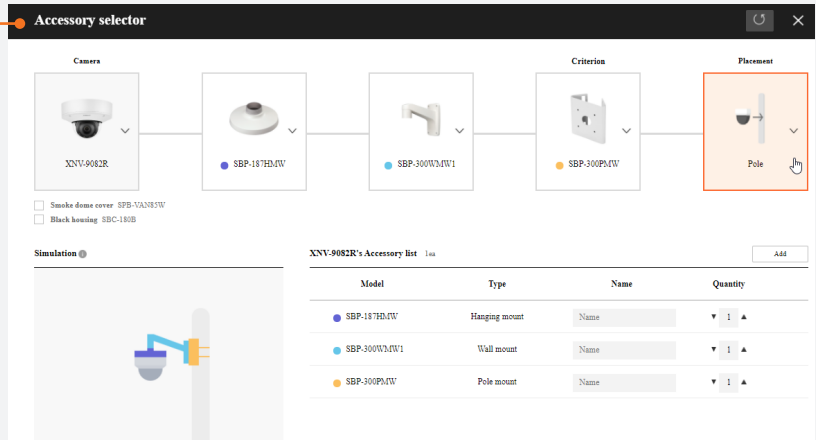
- Fitted rubber grommets to prevent dust and water ingress. Input/Output cables have been fitted with pre-installed weather grommets in the X Series range of weatherproof cameras to prevent dust and water ingress (IP66).
- A new outdoor waterproof backbox is now available for all bullet cameras, meaning installers no longer have to adapt the indoor backbox for outdoor use.
- Waterproof (IP66).
- Can be connected to RJ-45/DC/Alarm/Audio.
- Accessories include: installer cap for RJ-45, alarm/audio cable, gasket.
- Gore Valve – available in Wisenet X Plus Series, and some of the latest camera models (fisheye and corner mount camera).
- Weather cap – available in Wisenet X Plus Series.



A comprehensive choice of brackets and accessories to suit different installation requirements

Housing	Mounts	Weather caps	Back boxes	Dome Covers
In-ceiling/ outdoor/ fixed	Hanging/ Fixed/tilt/ ceiling / parapet/wall/ pole/ corner/ positioning system			Black/Smoked

The accessory selector tool within Toolbox Plus enable quick and easy selection of the right accessories and brackets for each installation, as well as options such as smoked dome covers.



The background of the slide features a light gray background with two large, flowing, white wave-like shapes that sweep across the frame from the bottom left and right towards the center. The Wisenet Wave logo is centered in the upper half of the slide. The text 'VMS made simple.' is centered below the logo.

wisenet WAVE

VMS made simple.

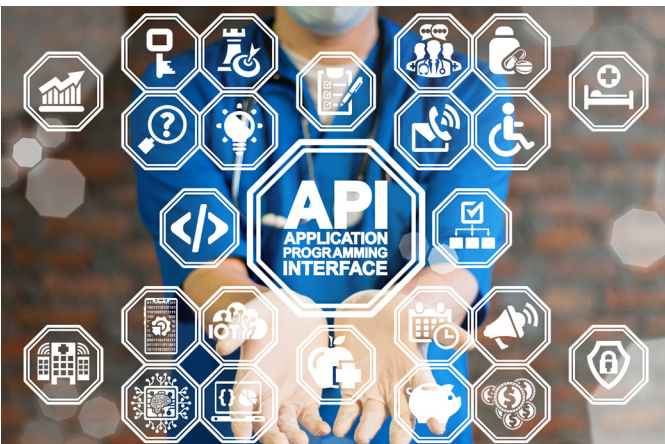
Wisenet WAVE 4.1 Open platform VMS

Intuitive and easy to install and configure

Intended to meet the needs of small to medium sized video surveillance projects, with an emphasis on a simplified user experience, Wisenet WAVE, **Hanwha Techwin's** intuitive and easy to use VMS, does not just deliver end-user benefits. Easy to configure, it can be set up in just a few minutes, significantly reducing on site time and operator training.

Benefits:

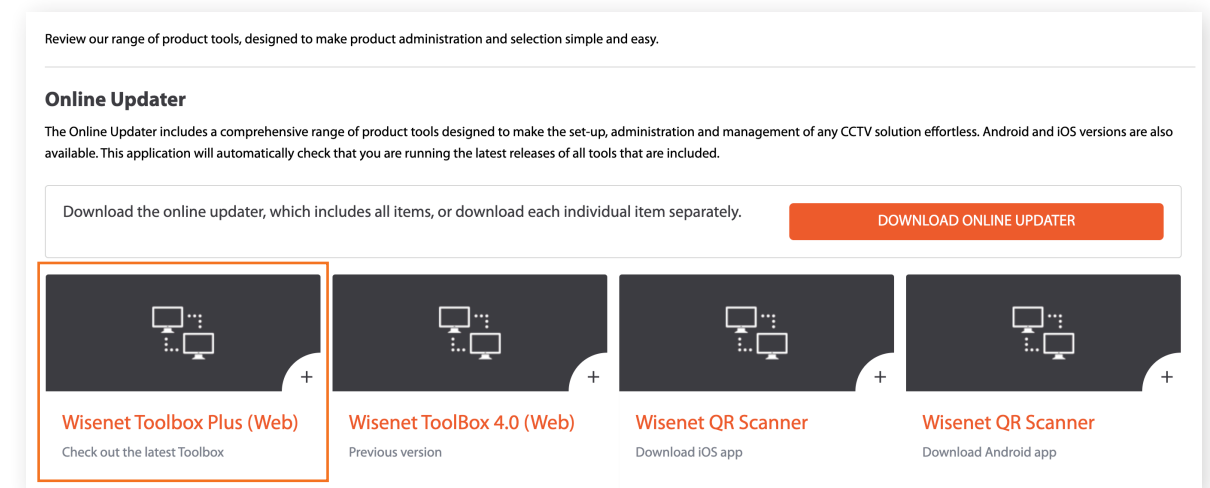
- An intuitive 'drag & drop' tool makes it extremely easy for operators to set up a display of live and recorded images on a single screen or video wall, with customisable layouts and sizes.
 - A 'Layout-as-an-Action' feature triggers a predefined screen layout to automatically open when an event occurs.
 - Smart search allows users to set-up an Analytics Event Region of Interest (ROI) to narrow a search to a specific area of a field of view, as well as search by keyword, calendar and time-slice to quickly retrieve recorded video of specific incidents.
 - Integration with Wisenet AI cameras enables the attributes of classified objects or people to be displayed, with users also able to forensically search for specific objects or people by filtering the recorded metadata.
- 
- A virtual PTZ enables operators with just a few simple clicks of a mouse, to zoom in to see close up detail of any suspicious activity.
 - Push notifications of user defined alarm events can be sent to mobile devices.
 - Embedded camera web pages that enable operators to manage the settings of connected cameras without having to open a separate browser window. Auto-discover feature means connected cameras and a wide range of 3rd party IP network devices can be addressed and set up within just minutes, thus reducing onsite time and costs.
 - Wisenet WAVE has been integrated with a long list of third-party products, systems and software applications, making it easier and less time consuming for system integrators to deliver added functionality and benefits/value from a security system.
 - A Wisenet WAVE SDK enables system integrators to independently create new integrations to meet their end-user client's requirements.
 - Minimal operator training required.



Installer Friendly System Design & Configuration Tools

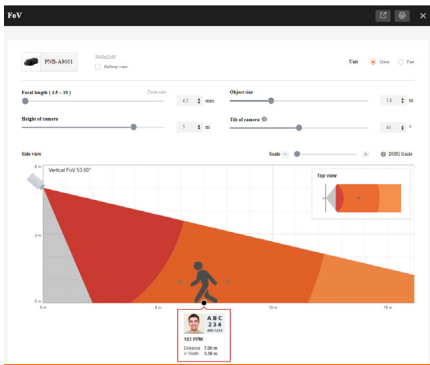
Wisenet Toolbox Plus

Available via the **Hanwha Techwin Europe** website, Toolbox Plus provides quick access to the capabilities, lens options and fields of view of a comprehensive range of Wisenet cameras, DVRs, NVRs, encoders/decoders and accessories. System integrators can easily search, filter and compare product specifications side-by-side and then compile a list of the products required for a specific project. This in turn generates a report on the estimated bandwidth and storage requirements for the project.

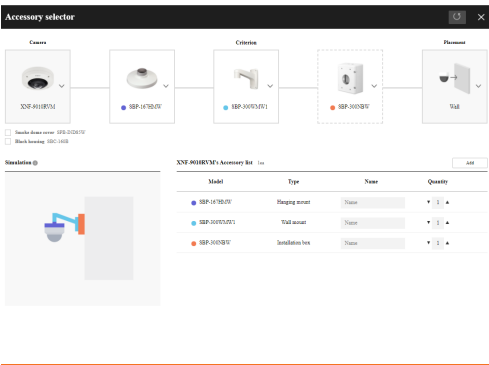


Benefits:

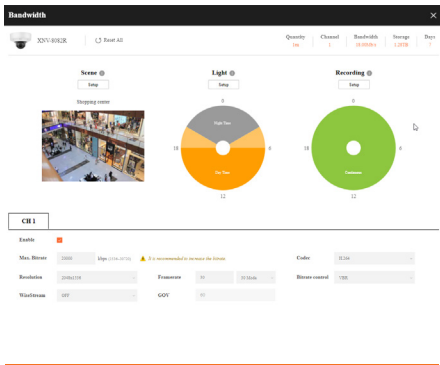
- Easily search, filter and compare product specifications side-by-side and then compile a list of the products required for a specific project.
- Can be loaded onto iOS and Android devices for a lighter mobile application, especially handy when on-site conducting a site survey.
- Quick access to the capabilities, lens options and fields of view of a comprehensive range of Wisenet cameras, DVRs, NVRs, encoders/decoders and accessories.
- Generate reports on the estimated bandwidth and storage requirements for the project.
- Access to a number of time saving online tools, including BIM models of Wisenet products.



FOV calculations made simple



Easily select the right accessories



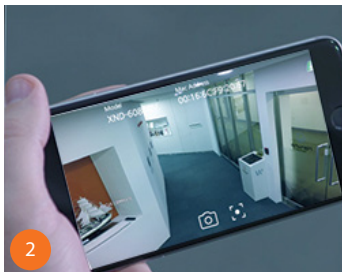
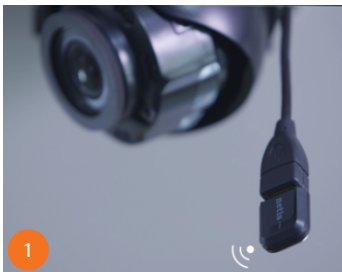
Bandwidth estimation made easy

Simple installation with Wisenet Installation App

Viewing and adjusting camera angles can be done immediately after installation by using the Wisenet Installation App on a smartphone.

Using the USB port, installers can easily connect the Wisenet X series cameras to their mobile devices through Wi-Fi. The app enables engineers to stand in the field of view while viewing him/herself on their phone to ensure that the camera is adequately covering the scene. There is no longer a need to ask for assistance from a second person and no additional devices are required, saving both time and money.

Most of the Wisenet range includes both HDMI and CVBS outputs, that can be used with industry standard CCTV test equipment, like hand held installation monitors.



Wisenet QR Smartphone App

The Wisenet QR Smartphone app can be used to create list for Bill Of Materials (BOM) or discover cameras in Wisenet Device Manager.

Benefits:

- Easily create a BOM, scan all the barcodes off the devices received, compare list with order and check for any discrepancies.
- Easily drop list of devices into Device Manager and configure devices from the list of scanned boxes.
- Add all devices at once to a single project.



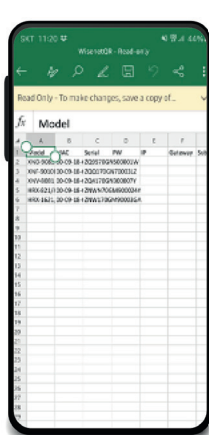
1 Download Wisenet QR to iOS or Android



2 Use phone camera to scan Wisenet QR codes on Cameras & Recorders



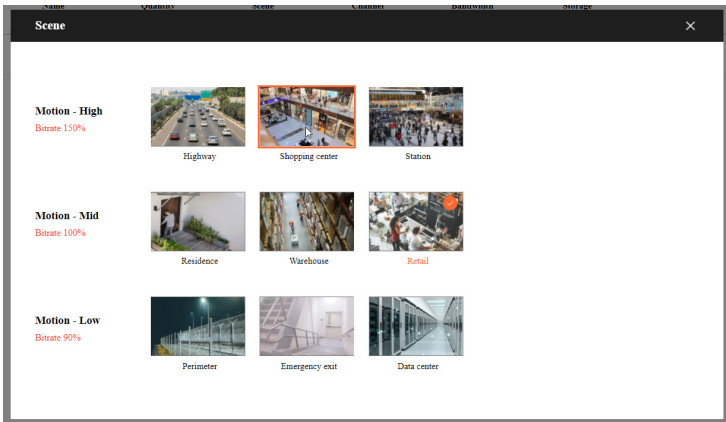
3 Creates list of all devices in .csv file format



4 Model, MAC address & Serial number

Wisenet Device Manager

Wisenet Device Manager provides centralised visibility & management of all your network video devices.



Benefits:

- Centrally configure & manage multiple network devices, from IP Cameras to Encoders, NVRs, DVRs and Decoders.
- Invaluable tool for commissioning, operating and maintaining any Wisenet video surveillance system.
- A wide range of integrated features which make it easier to discover and configure Wisenet cameras and recorders, as well as centrally change passwords and update firmware.

Support for large or complex projects

Hanwha Techwin’s pre and post sales teams are always just one call away when you need expert guidance on your next video surveillance project.

Support

We support STEP partners competing for projects which are subject to a tender process, by providing documentation that will add weight to their tender submissions.



Specialist Knowledge

For large or complex projects where specialist knowledge may be required, our highly trained field engineers are available at a fixed daily rate to assist with project commissioning.

An extensive range of products and solutions to suit every security application

Hanwha Techwin has a formidable range of affordable video surveillance solutions for virtually any application or project. Our comprehensive range of cameras, recording devices and software feature ground-breaking technology, much of which is unique to Hanwha Techwin.

The extensive Wisenet line-up includes a long list of fixed, bullet, fisheye, PTZ and multi-directional cameras. In addition to a long list of multi-megapixel models, we are also able to provide 4K and 8K, as well as HD+ cameras which deliver superb quality HD images over coaxial cable.



Network / Analog Cameras



Recording Solutions



Lenses, Encoders, Decoders



Vertical specialized Cameras



Public View Monitors



All-in-One Solutions

Professional Security Product Lineups



Wisenet P series

An ultimate premium series designed with the most advanced technology, delivers users outstanding video surveillance solution.



Wisenet X series

A series supercharged by the most powerful wisenet chipset gives the best video performance.



Wisenet Q series

A basic entry series that delivers professional quality, ideal for securing small-to-mid sized applications.



Wisenet T series

A series of specialized cameras that ensure a reliable video surveillance system even in the most challenging conditions.

Vertical Solutions

System integrators can also rely on Hanwha Techwin to provide robust and feature rich vertical market solutions which we have developed with hand-picked technology partners.



COVID-19



Banking



City Surveillance



Car park Management / Access control



Hotel



Logistics



Prisons & Courthouses



Residential



Retail



Traffic Management



Transport



Education



Health

Partnerships Built on Trust

- Building partnerships and earning the trust of system integrators and distributors has always been fundamental to how Hanwha Techwin operates.
- As we harness the very latest advances in technology to develop new video surveillance solutions, we are determined to enable our business partners to grow their share of the video surveillance market.
- Our A&E, pre-sales and business development teams share our passion for building partnerships with system integrators and remain 100% committed to helping them identify new sales opportunities and grow their businesses.

Hanwha Techwin Europe

Heriot House, Heriot Road, Chertsey, Surrey, KT16 9DT, United Kingdom

Tel: +44.1932.57.8100

Fax: +44.1932.57.8101

www.hanwha-security.eu

December 2020

© 2020 Hanwha Techwin Co., Ltd. All rights reserved.

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Under no circumstances, this document shall be reproduced, distributed or changed, partially or wholly, without formal authorization of Hanwha Techwin Co., Ltd.

* Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.

