

Firmware Encryption      Database Encryption      User Authentication      Backdoor Removal

# WISENET 7

## A New World of Cyber Security

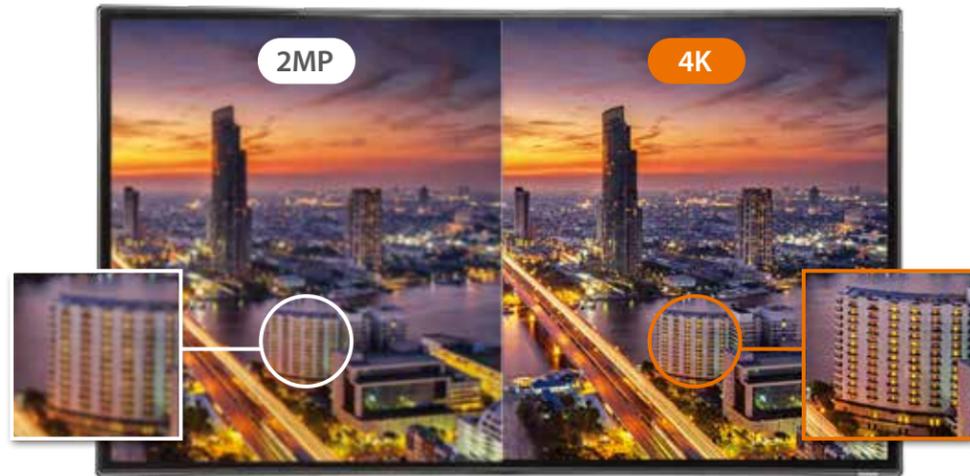
Exceptional cyber protection from  
the latest generation SoC

- Secure Boot Verification
- Secure OS
- Secure JTAG



## Exceptional 4K Resolution

Wisenet7 camera devices provide clear and vivid images in resolutions of up to 4K suitable for forensic search applications.



## Sharper images with enhanced noise reduction technology

Wisenet7 lineup minimizes motion blur and artifacts in low-light environments. Hanwha Techwin's outstanding noise reduction technology significantly reduced video noise compared to conventional cameras. Maximized expression of edges and colours allows identification of object details even in low-light environments.



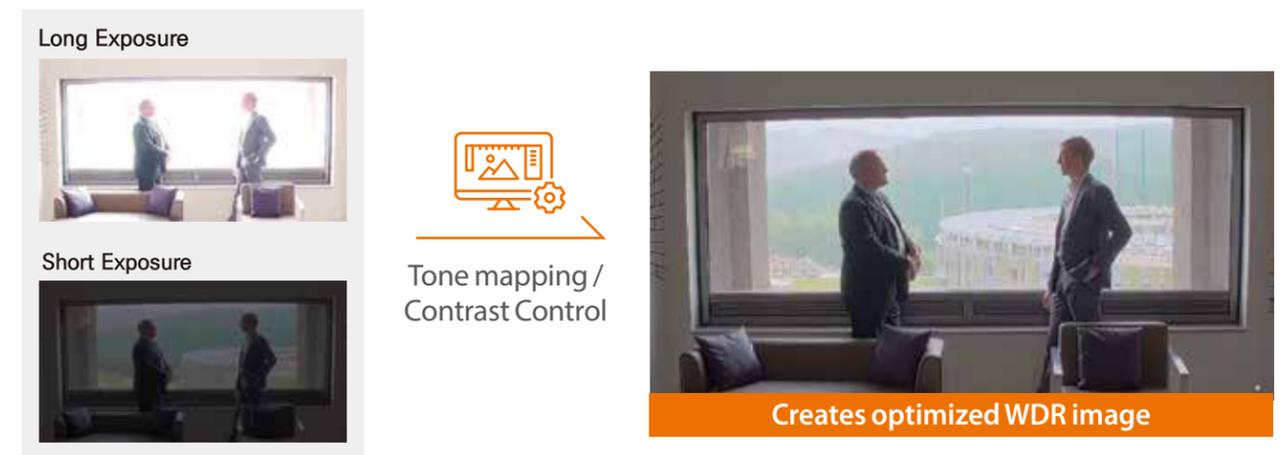
## extreme WDR's enhanced noise reduction technology

Wisenet7 lineup applied improved local contrast enhancement technology to provide a clearer and sharper image. Overcoming limitations that may occur from the existing multi-frame integration method, it optimizes contrast so that objects can be clearly identified even in the environments with strong backlight.



## extreme WDR produces the most optimized image

Wisenet7's newly adopted Scene Analysis technology helps the camera produce optimized WDR images. When integrating the frames, Wisenet7 analyzes the frames then manages dynamic range and refines the overall tone.



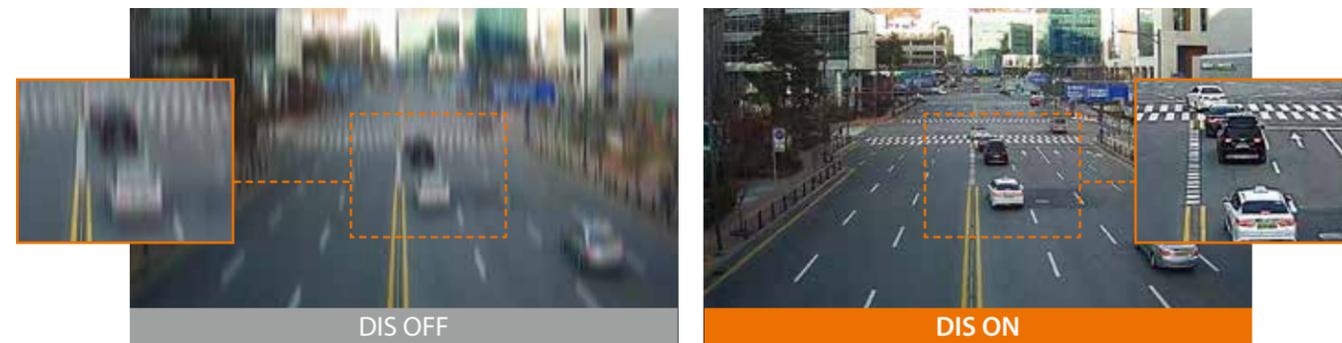
## Realistic image without image distortion

Wisenet7 lineup perfectly corrected wide-angle lens distortion to overcome the limitations of conventional cameras. It generates advanced images as seen by the human eye, without lens distortion, despite being equipped with a wide-angle lens.



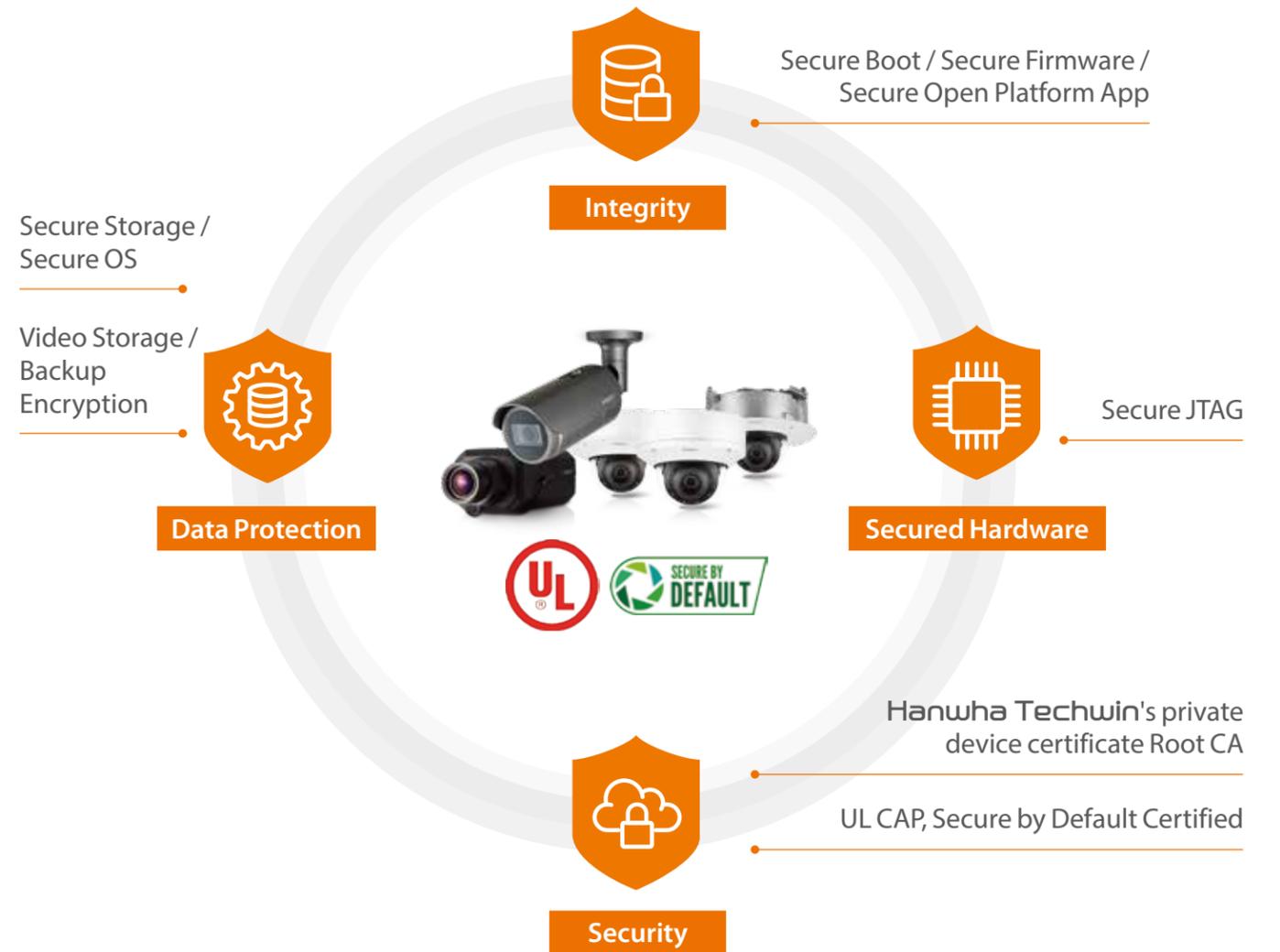
## DIS with built-in gyro sensor

Advances in Wisenet image stabilization technology allow for the reduction of motion blur caused by wind or vibration. A gyroscopic sensor plus DIS technology is specifically designed and engineered into select Wisenet7 cameras resulting in sharp, stable images.



## End-to-End Cybersecurity

Wisenet7 lineup offers next level Cybersecurity with the industry's highest levels of Cybersecurity policy which satisfies the stringent UL CAP standards and Secure by Default. Hanwha Techwin established its own device certificate issuing system, Root CA, to embed certificates into the product not only in the development progress but also in the manufacturing progress. Possessing the world's best in-house chip development and design technology, Hanwha Techwin maintains a differentiated and innovative policy.



Vector-based OSD

Wisenet7's use of vector graphics for its on screen display delivers crisp text overlays, regardless of image resolution, and offers the ability to choose from an unlimited range of display colours and other options. It also allows the usage of custom logos and images to be overlaid on live or exported video.



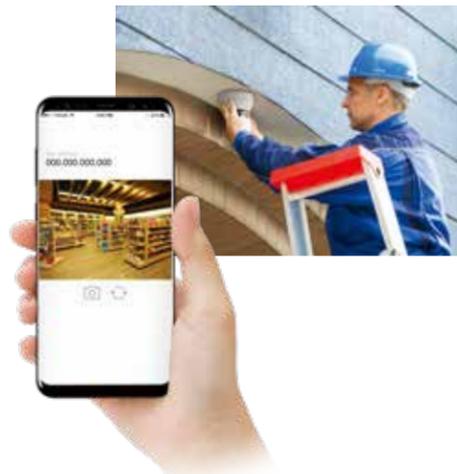
Easy to install modular design

Wisenet7 cameras use the same innovative modular camera design as the X series PLUS for easy and hassle-free camera installation and maintenance.



Convenient USB Wi-Fi Installation

Using a USB Wi-Fi adaptor, technicians can quickly connect to Wisenet7 camera devices via the Wisenet Installation app on their mobile device to check and modify camera focus and field of view, greatly reducing the setup time needed for each device.



Lower bandwidth and storage requirements with WiseStreamII

Hanwha Techwin's WiseStream II technology, when combined with H.265 compression, reduces bandwidth and storage needs by up to 75% compared to current H.264 technology, without sacrificing image quality.



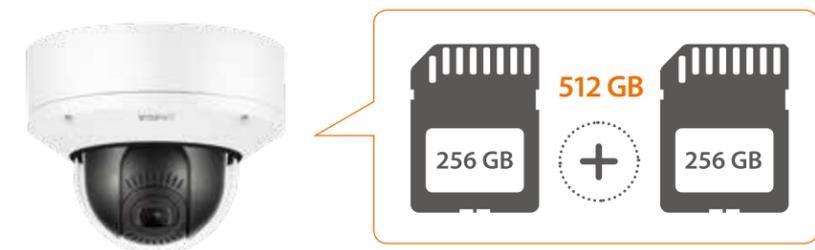
License-free Onboard Video and Audio Analytics

Wisenet7's onboard video and audio analytics suite is completely license-free and includes face and torso detection, intelligent motion analytics, and audio classification for gunshots, explosions, screams, and breaking glass. Analytics events can be used to trigger alarms as well as audio playback as a response.



Dual microSD slots

The dual microSD slots on Wisenet7 camera devices allow up to 512GB of recorded video to be saved onboard, keeping data safe in the event of a network failure.



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## 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](http://www.hanwha-security.eu)

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

