

# Small yet Powerful



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

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## Super-compact design fits everywhere

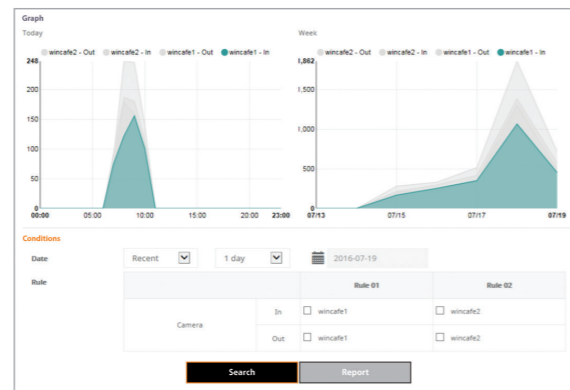
Wisenet Q mini line-up is designed as 99mm(3.9in) super-compact sized, about 40% smaller than its predecessor. Thanks to this feature, Wisenet Q mini series perfectly blends into any environment while facilitating an effortless installation anywhere.



## Business intelligence for smarter retail

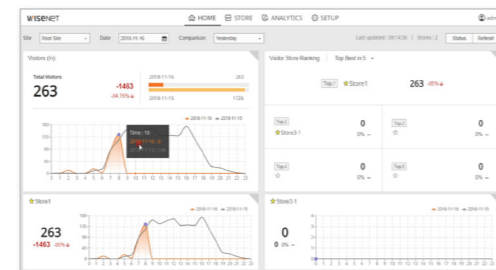
### People counting

Wisenet Q mini cameras have a business intelligence function that offers retailers the opportunity to measure store efficiency. People counting applications display hotspots within a store, which allow marketing personnel to identify the busiest times of the day, helping them manage customer flow and understand buying patterns.



### Retail Insight

Retail Insight, a business intelligence solution optimized for franchise retail, is a software that helps us use Business Intelligence features such as people counting and heatmap of Wisenet cameras including Q mini cameras in a more convenient and effective way. The solution can be accessed from anywhere to view data collected from a single store or multiple ones and compare store information to provide business insight for efficient operation and resource investment. The solution also supports integration with third-party solutions through web API.



## HDMI live video output for public view monitor

Many retail stores operate public view monitors for safety and convenience of customers and store managers. Wisenet Q mini cameras support HDMI video output for easy connection with public view monitors.

※ QND-8011/8021 supports HDMI video output.



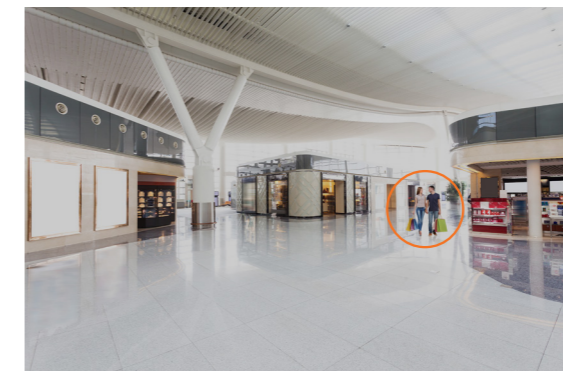
## Hallway view for monitoring vertical shaped areas

In a vertical shaped environment, traditional horizontal shaped videos focus on unnecessary edges of the area causing bandwidth and storage waste. The Hallway view creates 3 : 4 and 9 : 16 ratio image which is vertically oriented and maximizes image quality in a narrow environment.



## Improve bandwidth by up to 99% using WiseStreamII

Using WiseStreamII, Hanwha Techwin's original video compression technology, Q mini camera reduces data by up to 99% compared to current H.264 technology, when combined with H.265compression. System costs are also greatly reduced without comprising image quality. Wisenet Q mini cameras address a limitation found in conventional WDR cameras while producing clear and vivid images.



WiseStream II OFF : 7160kbps **WiseStream II ON : 74kbps**



WiseStream II OFF : 7260kbps **WiseStream II ON : 1817kbps**

**Product Specifications**



**QND-8011**



**QND-8021**

| Resolution                        | 5MP Dome                                       | 5MP Dome                           |
|-----------------------------------|--|------------------------------------|
| Imaging Device                    | 1/2.8" 5MP CMOS                                |                                    |
| Video Compression                 | H.265/H.264: MAIN/HIGH, MJPEG                  |                                    |
| Resolution / Frame Rate           | 5M / 30fps                                     |                                    |
| Streaming Capacity                | Up to 3 Profiles                               |                                    |
| Min. Illumination                 | Color: 0.15Lux (F2.0, 1/30sec)                 | Color: 0.15Lux (F1.6, 1/30sec)     |
| Video Output                      | HDMI: 1080p@30/25fps (60/50Hz)                 |                                    |
| Focal Length (Zoom Ratio)         | 2.8mm fixed (F2.0)                             | 4.0mm fixed focal (F1.6)           |
| Angular Field of View             | H : 104.4° / V : 76.7° / D : 136.1°            | H : 80.1° / V : 58.0° / D : 105.8° |
| IR Viewable Length                | -  |                                    |
| Pan / Tilt / Rotate               | 0°~350° / 0°~69° / 0°~360°                     |                                    |
| Day & Night                       | Auto (ICR)                                     |                                    |
| Backlight Compensation            | 120dB  |                                    |
| Digital Noise Reduction           | SSNRV  |                                    |
| Analytics                         | Defocus detection, Motion detection, Tampering |                                    |
| Business Intelligence             | People counting                                |                                    |
| Application Programming Interface | ONVIF S/G/T, SUNAPI, Wisenet open platform     |                                    |
| Edge Storage                      | Micro SD/SDHC/SDXC, 128GB                      |                                    |
| Operating Temperature             | -10°C ~ +40°C (+14°F ~ +104°F)                 |                                    |
| Certification                     | IP42, IK08                                     |                                    |
| Power Consumption                 | PoE: Max 5W                                    |                                    |
| Dimension (WxHxD) / Weight        | Ø99 x 56mm (Ø3.9 x 2.2"), 165g (0.364 lb)      |                                    |
| Additional Features               | WiseStream II, Hallway View                    |                                    |



**QND-6011**



**QND-6021**

| Resolution                        | 2MP Dome                                       | 2MP Dome                           |
|-----------------------------------|--|------------------------------------|
| Imaging Device                    | 1/2.8" 2MP CMOS                                |                                    |
| Video Compression                 | H.265/H.264: MAIN/HIGH, MJPEG                  |                                    |
| Resolution / Frame Rate           | 2M / 30fps                                     |                                    |
| Streaming Capacity                | Up to 3 Profiles                               |                                    |
| Min. Illumination                 | Color: 0.1Lux (F2.0, 1/30sec)                  | Color: 0.1Lux (F1.6, 1/30sec)      |
| Video Output                      | -  |                                    |
| Focal Length (Zoom Ratio)         | 2.8mm fixed (F2.0)                             | 4.0mm fixed focal (F1.6)           |
| Angular Field of View             | H : 113.74° / V : 61.5° / D : 134.45°          | H : 87.6° / V : 46.4° / D : 104.5° |
| IR Viewable Length                | -  |                                    |
| Pan / Tilt / Rotate               | 0°~350° / 0°~69° / 0°~360°                     |                                    |
| Day & Night                       | Auto (ICR)                                     |                                    |
| Backlight Compensation            | 120dB  |                                    |
| Digital Noise Reduction           | SSNRV  |                                    |
| Analytics                         | Defocus detection, Motion detection, Tampering |                                    |
| Business Intelligence             | People counting                                |                                    |
| Application Programming Interface | ONVIF S/G/T, SUNAPI, Wisenet open platform     |                                    |
| Edge Storage                      | Micro SD/SDHC/SDXC, 128GB                      |                                    |
| Operating Temperature             | -10°C ~ +55°C (+14°F ~ +131°F)                 |                                    |
| Certification                     | IP42, IK08                                     |                                    |
| Power Consumption                 | PoE: Max 4.8W                                  |                                    |
| Dimension (WxHxD) / Weight        | Ø99 x 56mm (Ø3.9 x 2.2"), 145g (0.320 lb)      |                                    |
| Additional Features               | WiseStream II, Hallway View                    |                                    |

