



Network

Dome

# QND-8010R

5M H.265 IR Dome Camera



## Key Features

- Max. 5Megapixel (2592 x 1944) resolution
- 2.8mm fixed lens
- 0.15Lux (Color), 0Lux (B/W, IR LED on)
- Max. 30fps@5MP (H.265 / H.264)
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day & Night, WDR (120dB)
- Tampering, Motion detection, Defocus detection
- Micro SD / SDHC / SDXC memory slot (Max. 128GB)
- Hallway view, WiseStream II support
- IR Viewable length 20m, PoE

## Compatible Accessories (Optional)



SBP-300HMMW7



SBP-120WMW



SPB-INW13



SPG-IND12B



SBP-300WMW



SBP-300WMW1



SBP-300LMW



SBP-300KMW



SBP-300PMW



SBP-300CMW



SBP-300BW



SBP-300NBW

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## Specifications

### Video

|                   |                                                                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device    | 1/2.8" 5MP CMOS                                                                                                                                                                                                                          |
| Resolution        | 5MP mode : 2592x1944, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240<br>4MP mode : 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate    | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz)<br>MJPEG: Max. 15fps/12fps(60Hz/50Hz)                                                                                                                                                           |
| Min. Illumination | Color: 0.15Lux(F2.0, 1/30sec)<br>BW: 0Lux(IR LED on)                                                                                                                                                                                     |
| Video Out         | CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation                                                                                                                                                                  |

### Lens

|                           |                                  |
|---------------------------|----------------------------------|
| Focal Length (Zoom Ratio) | 2.8mm fixed focal                |
| Max. Aperture Ratio       | F2.0                             |
| Angular Field of View     | H: 104.7° / V: 76.5° / D: 136.0° |
| Focus Control             | Fixed                            |

### Pan / Tilt / Rotate

|                           |                            |
|---------------------------|----------------------------|
| Pan / Tilt / Rotate Range | 0°~350° / 0°~67° / 0°~355° |
|---------------------------|----------------------------|

### Operational

|                          |                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Camera Title             | Displayed up to 85 characters                                                                                                |
| Day & Night              | Auto(ICR)                                                                                                                    |
| Backlight Compensation   | BLC, WDR, SSDR                                                                                                               |
| Wide Dynamic Range       | 120dB                                                                                                                        |
| Digital Noise Reduction  | SSNR                                                                                                                         |
| Motion Detection         | 4ea, polygonal zones                                                                                                         |
| Privacy Masking          | 6ea, rectangular zones                                                                                                       |
| Gain Control             | Low / Middle / High                                                                                                          |
| White Balance            | ATW / AWC / Manual / Indoor / Outdoor                                                                                        |
| LDC                      | Support                                                                                                                      |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker (1/5~1/12,000sec)                                                                           |
| Video Rotation           | Flip, Mirror, Hallway view(90°/270°)                                                                                         |
| Analytics                | Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line                              |
| Alarm I/O                | Input 1ea / Output 1ea                                                                                                       |
| Alarm Triggers           | Analytics, Network disconnect, Alarm input                                                                                   |
| Alarm Events             | File upload via FTP and e-mail<br>Notification via e-mail<br>SD/SDHC/SDXC or NAS recording at event triggers<br>Alarm output |
| IR Viewable Length       | 20m(65.62ft)                                                                                                                 |

### Network

|                   |                               |
|-------------------|-------------------------------|
| Ethernet          | RJ-45(10/100BASE-T)           |
| Video Compression | H.265/H.264: Main/High, MJPEG |

|                                          |                                                                                                                                                                                    |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Smart Codec</b>                       | WiseStream II                                                                                                                                                                      |
| <b>Bitrate Control</b>                   | H.264/H.265: CBR or VBR<br>MJPEG: VBR                                                                                                                                              |
| <b>Streaming</b>                         | Unicast(6 users) / Multicast<br>Multiple streaming(Up to 3 profiles)                                                                                                               |
| <b>Protocol</b>                          | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP |
| <b>Security</b>                          | HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access log<br>802.1X Authentication(EAP-TLS, EAP-LEAP)                              |
| <b>Application Programming Interface</b> | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform                                                                                                                   |

## General

|                         |                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Webpage Language</b> | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch |
| <b>Edge Storage</b>     | Micro SD/SDHC/SDXC 1slot 128GB                                                                                                    |
| <b>Memory</b>           | 512MB RAM, 256MB Flash                                                                                                            |

## Environmental & Electrical

|                                         |                                                  |
|-----------------------------------------|--------------------------------------------------|
| <b>Operating Temperature / Humidity</b> | -10°C ~ +50°C(+14°F ~ +122°F) / Less than 90% RH |
| <b>Storage Temperature / Humidity</b>   | -30°C ~ +60°C(-22°F ~ +140°F) / Less than 90% RH |
| <b>Input Voltage</b>                    | PoE(IEEE802.3af, Class3)                         |
| <b>Power Consumption</b>                | PoE: Max 7.50W, typical 5.80W                    |

## Mechanical

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| <b>Color / Material</b>            | White / Plastic, Aluminum                 |
| <b>RAL Code</b>                    | RAL9003                                   |
| <b>Product Dimensions / Weight</b> | Ø110.6x89.5mm(Ø4.35x3.52"), 360g(0.79 lb) |
| <b>Hanging Mount (Dome)</b>        | SBP-300HWW7                               |

## DORI (EN62676-4 standard)

|                                  |                 |
|----------------------------------|-----------------|
| <b>Detect (25PPM/ 8PPF)</b>      | 40.0m(131.20ft) |
| <b>Observe (63PPM/ 19PPF)</b>    | 16.0m(52.48ft)  |
| <b>Recognize (125PPM/ 38PPF)</b> | 8.0m(26.24ft)   |
| <b>Identify (250PPM/ 76PPF)</b>  | 4.0m(13.12ft)   |

# QND-8010R

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**CAD**

**Unit:** mm [inch]

QND-8010R/8020R/8030R  
UNIT : mm [inch]

