



Network

Купольные

# QND-7012R

4MP IR Dome Camera



## Key Features

- Maximum 4MP resolution
- Color : 0.15Lux (F2.0, 1/30sec) B/W : 0Lux (IR LED On)
- 2.8mm fixed focal
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Motion detection, Tampering, Defocus detection
- Hallway view (90°/270°), LDC support
- Micro SD/SDHC/SDXC memory slot (128GB)
- IR viewable length 20m (65.62ft), PoE

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4MP IR Dome Camera



## Specifications

|                           |                                                                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video                     |                                                                                                                                                                                      |
| Imaging Device            | 1/3" CMOS                                                                                                                                                                            |
| Resolution                | 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 (@4MP Max. 2fps)                                                                                                       |
| Min. Illumination         | Color : 0.15Lux (F2.0, 1/30sec)<br>B/W : 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: 108°, V: 60°, D: 122°                                                                                                                                                             |
| 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                 | Motion detection, Tampering, Defocus detection , Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing/Direction)                                                                |
| 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<br>Handover(PTZ preset, Send message by HTTP/HTTPS/TCP) |

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|                                       |                                                                                                                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio In                              | Built-in MIC                                                                                                                                                                                      |
| IR Viewable Length                    | 20m (65.62ft)                                                                                                                                                                                     |
| <b>Network</b>                        |                                                                                                                                                                                                   |
| Ethernet                              | RJ-45 (10/100BASE-T)                                                                                                                                                                              |
| Video Compression                     | H.265/H.264 : Main/High, MJPEG                                                                                                                                                                    |
| Audio Compression                     | G.711 u-law / G.726 Selectable<br>G.726(ADPCM) 8KHz, G.711 8KHz,<br>G.726 16Kbps, 24Kbps, 32Kbps, 40Kbps                                                                                          |
| Smart Codec                           | Manual (5ea area), WiseStream II                                                                                                                                                                  |
| Bitrate Control                       | H.264/H.265 : CBR or VBR<br>MJPEG : VBR                                                                                                                                                           |
| Streaming                             | Unicast (6 users) / Multicast<br>Multiple streaming (Up to 3 profiles)                                                                                                                            |
| Protocol                              | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP |
| Security                              | HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access Log<br>802.1X Authentication                                                                |
| Application Programming Interface     | ONVIF Profile S/G/T, SUNAPI (HTTP API)                                                                                                                                                            |
| <b>General</b>                        |                                                                                                                                                                                                   |
| Webpage Language                      | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek                                                        |
| Edge Storage                          | Micro SD/SDHC/SDXC 1slot 128GB                                                                                                                                                                    |
| Memory                                | 512MB RAM, 256MB Flash                                                                                                                                                                            |
| <b>Environmental &amp; Electrical</b> |                                                                                                                                                                                                   |
| Operating Temperature / Humidity      | -10°C~+55°C(+14°F ~ +131°F) / 0~95% RH                                                                                                                                                            |
| Storage Temperature / Humidity        | -30°C~+60°C(-22°F ~ +140°F) / 0~95% RH                                                                                                                                                            |
| Input Voltage                         | PoE(IEEE802.3af, Class3), 12VDC                                                                                                                                                                   |
| Power Consumption                     | PoE: Max 7.9W, typical 6.1W<br>12VDC: Max 7.1W, typical 5.1W                                                                                                                                      |
| <b>Mechanical</b>                     |                                                                                                                                                                                                   |
| Color / Material                      | White / Plastic                                                                                                                                                                                   |
| RAL Code                              | RAL9003                                                                                                                                                                                           |
| Product Dimensions / Weight           | ø110.0x86.0mm(ø4.33x3.39"), 255g(0.56 lb)                                                                                                                                                         |
| Compatible Conduit hole / Gangbox     | - Included : Double<br>- SBD-110GP : Single, Double, 4"Octagon                                                                                                                                    |
| Hanging Mount (Dome)                  | SBP-300HWM7                                                                                                                                                                                       |
| <b>DORI (EN62676-4 standard)</b>      |                                                                                                                                                                                                   |
| Detect (25PPM/ 8PPF)                  | 37.5m(123.17ft)                                                                                                                                                                                   |
| Observe (63PPM/ 19PPF)                | 15.0m(49.27ft)                                                                                                                                                                                    |
| Recognize (125PPM/ 38PPF)             | 7.5m(24.63ft)                                                                                                                                                                                     |
| Identify (250PPM/ 76PPF)              | 3.8m(12.32ft)                                                                                                                                                                                     |