

# QNV-7010R

4M H.265 NW IR Dome Camera



## Key Features

- Max. 4M resolution
- Built-in 2.8mm fixed lens
- Max. 20fps@4M, Max. 30fps@under 2M (H.265/H.264)
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Motion detection, Tampering, Defocus detection
- microSD (128GB) memory slot, PoE / 12V DC

## Compatible Accessories (Optional)



SBP-122HM



SPB-VAN12



SBP-137WM1



SBV-120WC



SBP-302CMB



SBP-390WM2



SBP-300WM1



SBP-300WM



SBP-300CM



SBP-300PM



SBP-300B



SBP-300KM



SBP-300LM



SBP-300NB

| Video                     |                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device            | 1/3" 4MP CMOS                                                                                                                                      |
| Resolution                | 2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate            | H.265/H.264: Max. 20fps@4MP, Max. 30fps/25fps(60Hz/50Hz) 2MP, all resolution, MJPEG: Max 15fps/12fps(60Hz/50Hz)                                    |
| Min. Illumination         | Color: 0.5Lux(F2.2, 1/30sec)<br>BW: 0Lux(IR LED on)                                                                                                |
| Lens                      |                                                                                                                                                    |
| Focal Length (Zoom Ratio) | 2.8mm fixed focal                                                                                                                                  |
| Max. Aperture Ratio       | F2.2                                                                                                                                               |
| Angular Field of View     | H: 110.0° / V: 63.0° / D: 128.0°                                                                                                                   |
| Focus Control             | Fixed                                                                                                                                              |
| Pan / Tilt / Rotate       |                                                                                                                                                    |
| Pan / Tilt / Rotate Range | 0° ~ 350° / 0° ~ 67° / 0° ~ 355°                                                                                                                   |
| Operational               |                                                                                                                                                    |
| Camera Title              | Displayed up to 20 characters per line(Max.5 lines)                                                                                                |
| 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                                                                                                                   |
| Video Rotation            | Flip, Mirror, Hallway view(90° / 270°)                                                                                                             |
| Analytics                 | Defocus detection, Motion detection, Tampering                                                                                                     |
| 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                       |
| Audio In                  | Line in<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm                                                                                    |
| IR Viewable Length        | 20m (65.62ft)                                                                                                                                      |
| Network                   |                                                                                                                                                    |
| Ethernet                  | RJ-45(10/100BASE-T)                                                                                                                                |

|                                   |                                                                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression                 | H.265/H.264, 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                       | WiseStream I                                                                                                                                                                               |
| 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,<br>SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS,<br>PIM-SM, UPnP, Bonjour |
| Security                          | HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access log<br>802.1X Authentication(EAP-TLS, EAP-LEAP)                                      |
| Application Programming Interface | ONVIF Profile S/G<br>SUNAPI(HTTP API)                                                                                                                                                      |

## General

|              |                                                                                                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web Viewer   | Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12<br>Recommended Browser: Google Chrome<br>Supported Browser: MS Explorer11, MS Edge, Mozilla Firefox(Windows 64bit only), Apple Safari (Mac OS X only) |
| Edge Storage | Micro SD/SDHC/SDXC 1slot 128GB                                                                                                                                                                                       |
| Memory       | 512MB RAM, 256MB Flash                                                                                                                                                                                               |

## Environmental & Electrical

|                                  |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| Operating Temperature / Humidity | -30°C ~ +55°C(-22°F ~ +131°F) / Less than 90% RH<br>* Start up should be done at above -20°C |
| Storage Temperature / Humidity   | -30°C ~ +60°C(-22°F ~ +140°F) / Less than 90% RH                                             |
| Certification                    | IP66, IK10                                                                                   |
| Input Voltage                    | PoE(IEEE802.3af, Class3), 12VDC                                                              |
| Power Consumption                | PoE: Max 7.00W<br>12VDC: Max 5.80W                                                           |

## Mechanical

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Color / Material            | Ivory / Aluminum                          |
| Product Dimensions / Weight | Ø120.3x91.7mm(Ø4.74x3.61"), 490g(1.08 lb) |

- The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.