

# QND-6012R1

2MP IR Dome Camera

Network



FC | | CE | EAC

## Key Features

- Maximum 2megapixel (1920 x 1080) resolution
- 0.03Lux (Color), 0Lux (B/W, IR LED on)
- 2.8mm fixed lens
- Maximum 30fps@2MP all resolutions (H.265/H.264)
- 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 (Max. 128GB)
- IR viewable length 20m, PoE
- No-audio model

## Compatible Accessories (Optional)



SBP-300HMW7



SPB-INW12



SBP-300WMW



SBP-120WMW



SPG-IND12B



SBP-300MMW1



SBP-300CMW



SBP-300PMW



SBP-300KMW



SBP-300LMW



SBP-300NBW



SBP-300BW

<b>Video</b>	
Imaging Device	1/2.8" 2MP CMOS
Resolution	1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps/12fps(60Hz/50Hz)
Min. Illumination	Color: 0.03Lux(F2.0, 1/30sec) BW: 0Lux(IR LED on)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation
<b>Lens</b>	
Focal Length (Zoom Ratio)	2.8mm fixed focal
Max. Aperture Ratio	F2.0
Angular Field of View	H: 113.7° / V: 61.5° / D: 134.5°
Min. Object Distance	0.5m (1.64ft)
Focus Control	Fixed
<b>Pan / Tilt / Rotate</b>	
Pan / Tilt / Rotate Range	0°~350° / 0°~67° / 0°~355°
<b>Operational</b>	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SDR
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 Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output
IR Viewable Length	20m(65.62ft)
<b>Network</b>	

<b>Ethernet</b>	RJ-45(10/100BASE-T)
<b>Video Compression</b>	H.265/H.264: Main/High, MJPEG
<b>Smart Codec</b>	WiseStream II
<b>Bitrate Control</b>	H.264/H.265: CBR or VBR MJPEG: VBR
<b>Streaming</b>	Unicast(6 users) / Multicast 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 Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
<b>Application Programming Interface</b>	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform

### General

<b>Webpage Language</b>	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, 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 ~ +55°C(-14°F ~ +131°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), 12VDC
<b>Power Consumption</b>	PoE: Max 7.40W, typical 6.00W 12VDC: Max 6.40W, typical 5.10W

### Mechanical

<b>Color / Material</b>	White / Plastic
<b>RAL Code</b>	RAL9003
<b>Product Dimensions / Weight</b>	Ø110.0x86.0mm(Ø4.33x3.39"), 255g(0.56 lb)

### DORI (EN62676-4 standard)

<b>Detect (25PPM/ 8PPF)</b>	25.1m(82.21ft)
<b>Observe (63PPM/ 19PPF)</b>	10.0m(32.89ft)
<b>Recognize (125PPM/ 38PPF)</b>	5.0m(16.44ft)
<b>Identify (250PPM/ 76PPF)</b>	2.5m(8.22ft)

- 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.

