



Network

Dome

# QND-8011

5M H.265 Dome Camera(Q mini)



## Key Features

- Max. 5Megapixel (2592 x 1944) resolution
- 2.8mm fixed lens
- 0.15Lux (Color), WDR (120dB)
- Max. 30fps@5MP (H.265 / H.264)
- H.265, H.264, MJPEG codec support, Multiple streaming
- Tampering, Motion detection, Defocus detection
- Micro SD / SDHC / SDXC memory slot (Max. 128GB)
- Hallway view, WiseStream II support
- LDC, PoE

## Compatible Devices



SBP-300LMW



SBP-300WMW1



SBP-300KMW



SBP-300BW



SPG-IND16B



SBP-300PMW



SBP-300WMW



SBP-300NBW



SBP-300CMW

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## Specifications

| Video                         |                       |                                                                                                                    |
|-------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| Imaging Device                | Size                  | 1/2.8"                                                                                                             |
|                               | Type                  | CMOS                                                                                                               |
| Resolution                    |                       | 2592x1944, 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate                | H.265/H.264           | 30fps/25fps(60Hz/50Hz)                                                                                             |
|                               | MJPEG                 | 15fps(@5MP Max. 2fps)                                                                                              |
| Min. Illumination (Lux)       | Color(1/30sec, 30IRE) | 0.15                                                                                                               |
|                               | BW(1/30sec, 30IRE)    | 0.15                                                                                                               |
| Video Out                     |                       | HDMI: 1080p@30/25fps(60/50Hz)                                                                                      |
| Lens                          |                       |                                                                                                                    |
| Focal Length (mm)             |                       | 2.8                                                                                                                |
| Max Aperture Ratio (F number) | Wide                  | 2.0                                                                                                                |
| Angular Field of View         | Horizontal            | 105°                                                                                                               |
|                               | Vertical              | 77°                                                                                                                |
|                               | Diagonal              | 137°                                                                                                               |
| Focus Control                 |                       | Fixed                                                                                                              |
| Pan / Tilt / Rotate           |                       |                                                                                                                    |
| Pan / Tilt / Rotate Range     | Pan                   | 0°~350°                                                                                                            |
|                               | Tilt                  | 0°~69°                                                                                                             |
|                               | Rotate                | 0°~355°                                                                                                            |
| Operational                   |                       |                                                                                                                    |
| Day & Night                   |                       | Auto(Electrical)                                                                                                   |
| Backlight Compensation        |                       | BLC, WDR, SSDR                                                                                                     |
| Wide Dynamic Range (dB)       |                       | 120                                                                                                                |
| Digital Noise Reduction       |                       | SSNR                                                                                                               |
| Motion Detection              | Quantity              | 4ea                                                                                                                |
|                               | Shape                 | 8point Polygonal zones                                                                                             |

## Operational

|                                          |             |                                                                                                                                                 |
|------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Privacy Masking                          | Quantity    | 6ea                                                                                                                                             |
|                                          | Shape       | Rectangular zones                                                                                                                               |
| Gain Control                             |             | Low, Middle, High                                                                                                                               |
| White Balance                            |             | ATW, AWC, Manual, Indoor, Outdoor                                                                                                               |
| LDC                                      |             | Support                                                                                                                                         |
| Electronic Shutter                       | Mode        | Minimum, Maximum, Anti flicker                                                                                                                  |
|                                          | Speed Range | 1/5~1/12,000sec                                                                                                                                 |
| Video Rotation                           |             | Flip, Mirror, Hallway view(90°/270°)                                                                                                            |
| Alarm Triggers                           |             | Analytics, Network disconnect                                                                                                                   |
| Alarm Events When Alarm Trigger Occurred |             | File upload(image): e-mail/FTP,<br>Notification: e-mail,<br>Recording: SD/SDHC/SDXC or NAS recording at event triggers,<br>Handover: PTZ preset |

## Analytics

|                       |        |                                                |
|-----------------------|--------|------------------------------------------------|
| Analytics Events      | Normal | Defocus detection, Motion detection, Tampering |
| Business Intelligence | Normal | People counting                                |

## Network

|                                   |                    |                                                                                                                                                                                          |
|-----------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                          |                    | RJ-45(10/100BASE-T)                                                                                                                                                                      |
| Video Compression                 |                    | H.265/H.264: Main/High, MJPEG                                                                                                                                                            |
| Smart Codec                       |                    | WiseStream II                                                                                                                                                                            |
| Bitrate Control                   |                    | H.265/H.264: CBR or VBR,<br>MJPEG: VBR                                                                                                                                                   |
| Streaming                         | Unicast            | Up to 6 users                                                                                                                                                                            |
|                                   | Multicast          | Support                                                                                                                                                                                  |
|                                   | 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>UPnP, Bonjour, LLDP |
| Application Programming Interface | ONVIF              | S, G, T                                                                                                                                                                                  |
|                                   | Others             | SUNAPI(HTTP API), Hanwha Vision Open Platform                                                                                                                                            |
| Direct Cloud Connection           |                    | Optional (needs gateway)                                                                                                                                                                 |

## Security

|                        |  |                                                                         |
|------------------------|--|-------------------------------------------------------------------------|
| OS / Firmware Protect  |  | Encrypted firmware                                                      |
| User authentication    |  | Digest authentication, Prevent brute-force attack                       |
| Network authentication |  | IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)                      |
| Secure Communication   |  | HTTPS, WSS(WebSocket Secure), SRTP                                      |
| Access Control         |  | IP-based access control                                                 |
| Data Protect           |  | Encryption credentials, Encrypt compress for live recording file export |

## Security

|                |                                           |
|----------------|-------------------------------------------|
| Audit          | Access / System / Event Log management    |
| Device ID      | Device certificate(Hanwha Vision Root CA) |
| Secure Storage | SDcard partition encrypt(AES-256)         |

## General

|              |                    |                    |
|--------------|--------------------|--------------------|
| Memory       | RAM                | 512MB              |
|              | Flash              | 256MB              |
| Edge Storage | Micro SD/SDHC/SDXC | Max. 128GB x 1slot |

## Environmental & Electrical

|                     |             |                           |
|---------------------|-------------|---------------------------|
| Operating Condition | Temperature | -10°C~+40°C(+14°F~+104°F) |
|                     | Humidity    | 0~90% RH(non-condensing)  |
| Storage Condition   | Temperature | -30°C~+60°C(-22°F~+140°F) |
|                     | Humidity    | 0~90% RH(non-condensing)  |
| Input Voltage       |             | PoE(IEEE802.3af, Class2)  |
| Power Consumption   | PoE         | Max. 5.00W, typical 4.00W |

## Mechanical

|                    |                         |
|--------------------|-------------------------|
| Color              | White                   |
| Material           | Plastic                 |
| RAL Code           | RAL9003                 |
| Product Dimensions | ø99.0x56.0mm(ø3.9x2.2") |
| Product Weight     | 165g(0.36lb)            |

## Certifications & Standards

|             |                                |
|-------------|--------------------------------|
| Environment | IEC 62262 IK08, IEC 60529 IP42 |
|-------------|--------------------------------|

## DORI (EN62676-4 standard)

|                           |      |                |
|---------------------------|------|----------------|
| Detect (25PPM/ 8PPF)      | Wide | 40.2m(12.26ft) |
| Observe (63PPM/ 19PPF)    | Wide | 16.1m(4.90ft)  |
| Recognize (125PPM/ 38PPF) | Wide | 8.0m(2.45ft)   |
| Identify (250PPM/ 76PPF)  | Wide | 4.0m(1.23ft)   |

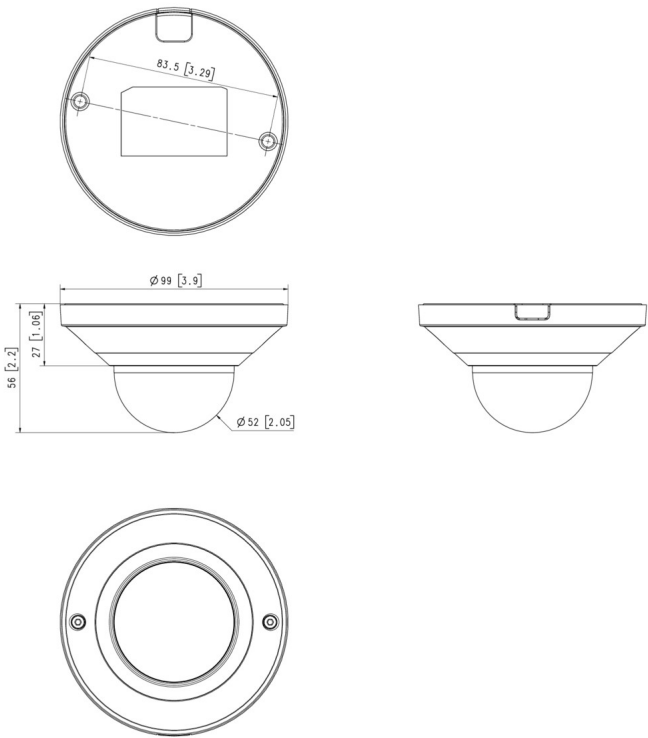
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**CAD**

**Unit:** mm [inch]



millimeter (inch)