Hanwha Vision



Network | Fisheye

# QNF-8010

## Q Series 6 MP Sensor 360° Indoor Fisheye Camera

## Key Features

- 6 MP image sensor, 2048 x 2048 resolution output, 30fps
- Fisheye lens 1.14mm (187°X187°)
- Original fisheye view, onboard dewarping to Single panorama, Double panorama, Quad view
- Lens rotation & analog video output for easy installation and adjustment
- Triple Codec: H.265, H.264 and MJPEG multiple streaming
- WiseStream II compression technology
- WDR 120dB
- Defocus, Tampering, motion detection
- Heatmap, people counting business intelligence
- SD card slot
- IP42 rated, PoE powered
- White camera body

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

© Hanwha Vision CO., LTD. All rights reserved.

# QNF-8010

Q Series 6 MP Sensor 360° Indoor Fisheye Camera



## Specifications

### Video

| | | |
|---|---|---|
| **Imaging Device** | Size | 1/1.8" |
| | Type | CMOS |
| **Resolution** | | 2048x2048, 2048x1536, 2048x1024, 2048x512, 1920x960, 1920x480, 1600x1200, 1280x1280, 1280x960, 1280x640, 1280x320, 1080x1080, 1024x768, 960x960, 800x600, 768x768, 720x720, 704x576, 704x352, 704x176, 640x640, 640x480, 640x320, 640x160, 480x480 |
| **Max. Framerate** | H.265/H.264 | 30fps/25fps(60Hz/50Hz) |
| | MJPEG | 15fps |
| **Min. Illumination (Lux)** | Color(1/30sec, 30IRE) | 0.2 |
| | BW(1/30sec, 30IRE) | 0.02 |
| **Video Out** | | CVBS: 1.0 Vp-p / 75Ω composite for installation |

### Lens

| | | |
|---|---|---|
| **Focal Length (mm)** | | 1.14 |
| **Max Aperture Ratio (F number)** | Wide | 2.5 |
| **Angular Field of View** | Horizontal | 187° |
| | Vertical | 187° |
| | Diagonal | 187° |
| **Min. Object Distance** | | 0.3m(0.98ft) |

### Operational

| | | |
|---|---|---|
| **Day & Night** | | Auto(Electrical) |
| **Backlight Compensation** | | BLC, HLC, WDR, SSDR |
| **Wide Dynamic Range (dB)** | | 120 |
| **Digital Noise Reduction** | | SSNR V |
| **Motion Detection** | Quantity | 8ea |
| | Shape | 8point Polygonal zones |
| **Privacy Masking** | Quantity | 6ea |
| | Shape | Rectangular zones |
| | Color / Option | Gray, Green, Red, Blue, Black, White, Mosaic |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

© Hanwha Vision CO., LTD. All rights reserved.

## Operational

| | | |
|---|---|---|
| **Gain Control** | | Low, Middle, High |
| **White Balance** | | ATW, AWC, Manual, Indoor, Outdoor |
| **Electronic Shutter** | Mode | Minimum, Maximum, Anti flicker |
| | Speed Range | 2~1/12,000sec |
| **Digital PTZ** | | Support |
| **Video Rotation** | | Flip, Mirror |
| **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 |

## Analytics

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

## Network

| | | |
|---|---|---|
| **Ethernet** | | RJ-45(10/100BASE-T) |
| **Video Compression** | | H.265: Main,<br>H.264: Main/Baseline/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, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, PIM-SM |
| **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 |
| **Network authentication** | IEEE 802.1X(EAP-TLS, EAP-LEAP) |
| **Secure Communication** | HTTPS |
| **Access Control** | IP-based access control |
| **Audit** | Access / System / Event Log management |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

© Hanwha Vision CO., LTD. All rights reserved.

## General

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

## Environmental & Electrical

| | | |
|---|---|---|
| **Operating Condition** | Temperature | -10°C~+55°C(+14°F~+131°F) |
| | Humidity | 0~90% RH(non-condensing) |
| **Storage Condition** | Temperature | -50°C~+60°C(-58°F~+140°F) |
| | Humidity | 0~90% RH(non-condensing) |
| **Input Voltage** | | PoE(IEEE802.3af, Class3) |
| **Power Consumption** | PoE | Max 6.4W, typical 4.6W |

## Mechanical

| | |
|---|---|
| **Color** | White |
| **Material** | Plastic |
| **RAL Code** | RAL9003 |
| **Product Dimensions** | Ø99x49mm(Ø3.9x1.93") |
| **Product Weight** | 320g(0.705lb) |

## Certifications & Standards

| | |
|---|---|
| **Environment** | IEC 60529 IP42 |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

© Hanwha Vision CO., LTD. All rights reserved.

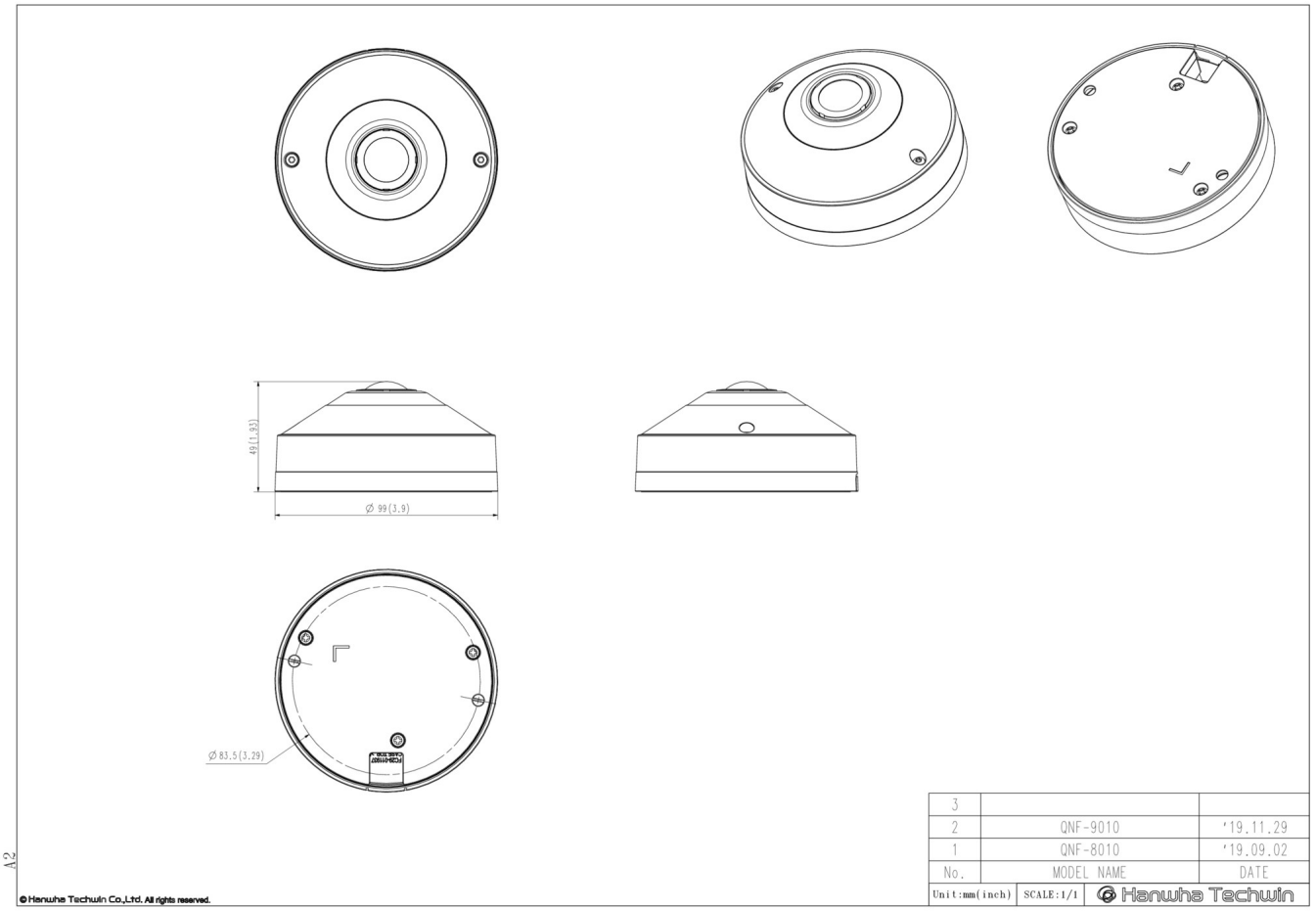
# QNF-8010

Q Series 6 MP Sensor 360° Indoor Fisheye Camera



## CAD

**Unit:** mm [inch]




Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

© Hanwha Vision CO., LTD. All rights reserved.