



Network

Dome

# TNV-7011RC

3MP Corner Mount Camera



## Key Features

- Maximum 3MP (2048 x 1536) resolution
- Maximum 30fps @ all resolutions (H.265/H.264/MJPEG)
- 0.3 lux @ F2.0 (Color), 0 lux @ F2.0 (B/W)
- Built-in 2.8mm fixed lens
- Anti-ligature design for corrections and behavioral health facilities
- Day & Night, WDR (120dB)
- Video & audio analytics, Shock detection
- microSD/SDHC/SDXC memory slot (256GB)
- Hallway view, WiseStream II support
- PoE, DC 12V, IK10+

# TNV-7011RC

3MP Corner Mount Camera



## Specifications

### Video

|                   |                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device    | 1/2.8" CMOS                                                                                                                             |
| Resolution        | 2048x1536, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate    | H.265/H.264/MJPEG: Max. 30fps at all resolutions                                                                                        |
| Min. Illumination | Color: 0.3 lux (F2.0, 1/30sec)<br>B/W: 0 lux (F2.0, 1/30sec)                                                                            |
| 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: 102° / V: 75° / D: 129° |
| Min. Object Distance      | 0.4m(1.31ft)               |
| Focus Control             | Manual                     |

### Pan / Tilt / Rotate

|                           |                 |
|---------------------------|-----------------|
| Pan / Tilt / Rotate Range | - / 30°~60° / - |
|---------------------------|-----------------|

### Operational

|                             |                                                                                                                                                                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera Title                | Displayed up to 85 characters                                                                                                                                                                                                              |
| Day & Night                 | Auto(ICR)                                                                                                                                                                                                                                  |
| Backlight Compensation      | BLC, HLC, WDR, SSDR                                                                                                                                                                                                                        |
| Wide Dynamic Range          | 120dB                                                                                                                                                                                                                                      |
| Digital Noise Reduction     | SSNR V                                                                                                                                                                                                                                     |
| Digital Image Stabilization | Support                                                                                                                                                                                                                                    |
| Defog                       | Support                                                                                                                                                                                                                                    |
| Motion Detection            | 8ea, 8point polygonal zones                                                                                                                                                                                                                |
| Privacy Masking             | 32ea, polygonal zones<br>- Color: Grey/Green/Red/Blue/Black/White<br>- Mosaic                                                                                                                                                              |
| Gain Control                | Low / Middle / High                                                                                                                                                                                                                        |
| White Balance               | ATW / AWC / Manual / Indoor / Outdoor                                                                                                                                                                                                      |
| LDC                         | Support                                                                                                                                                                                                                                    |
| Electronic Shutter Speed    | Minimum / Maximum / Anti flicker (2~1/12,000sec)                                                                                                                                                                                           |
| Video Rotation              | Flip, Mirror, Hallway view(90°/270°)                                                                                                                                                                                                       |
| Analytics                   | Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, Appear/Disappear, Audio detection, Face detection, Motion detection, Digital auto tracking, Sound classification, Shock detection |
| Alarm I/O                   | Input 1ea / Output 1ea                                                                                                                                                                                                                     |
| Alarm Triggers              | Analytics, Network disconnect, Alarm input, Motion detection                                                                                                                                                                               |
| 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>DPTZ preset                                                                                                |
| Audio In                    | Selectable(mic in/line in/built-in MIC)<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm                                                                                                                                            |

|                    |                                   |
|--------------------|-----------------------------------|
| Audio Out          | Line out, Max.output level: 1Vrms |
| IR Viewable Length | 10m(32.8ft)                       |
| IR Wavelength      | 940nm                             |

## Network

|                                   |                                                                                                                                                                                                  |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                          | RJ-45(10/100BASE-T)                                                                                                                                                                              |
| Video Compression                 | H.265/H.264: Main/Baseline/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<br>AAC-LC: 48Kbps at 8/16/32/48KHz                                                      |
| Smart Codec                       | Manual(5ea area), WiseStream II                                                                                                                                                                  |
| Bitrate Control                   | H.264/H.265: CBR or VBR<br>MJPEG: VBR                                                                                                                                                            |
| Streaming                         | Unicast(20 users) / Multicast<br>Multiple streaming(Up to 10 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, SRTP |
| 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 | SUNAPI(HTTP API)<br>Wisenet open platform                                                                                                                                                        |

## General

|                  |                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 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 256GB                                                                                                             |

## Environmental & Electrical

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| Operating Temperature / Humidity | -10°C~+55°C(+14°F~+131°F) / Less than 90% RH                  |
| Storage Temperature / Humidity   | -50°C~+60°C(-58°F~+140°F) / Less than 90% RH                  |
| Certification                    | IP66, IP6K9K, IK10+                                           |
| Input Voltage                    | PoE(IEEE802.3af, Class2), 12VDC                               |
| Power Consumption                | PoE: Max 12W, typical 10.1W,<br>12VDC: Max. 11W, typical 8.6W |

## Mechanical

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Color / Material            | White / Aluminium                           |
| RAL Code                    | RAL9003                                     |
| Product Dimensions / Weight | Ø295.5x113.5mm(11.6x4.47") / 2.1kg (4.63lb) |

## DORI (EN62676-4 standard)

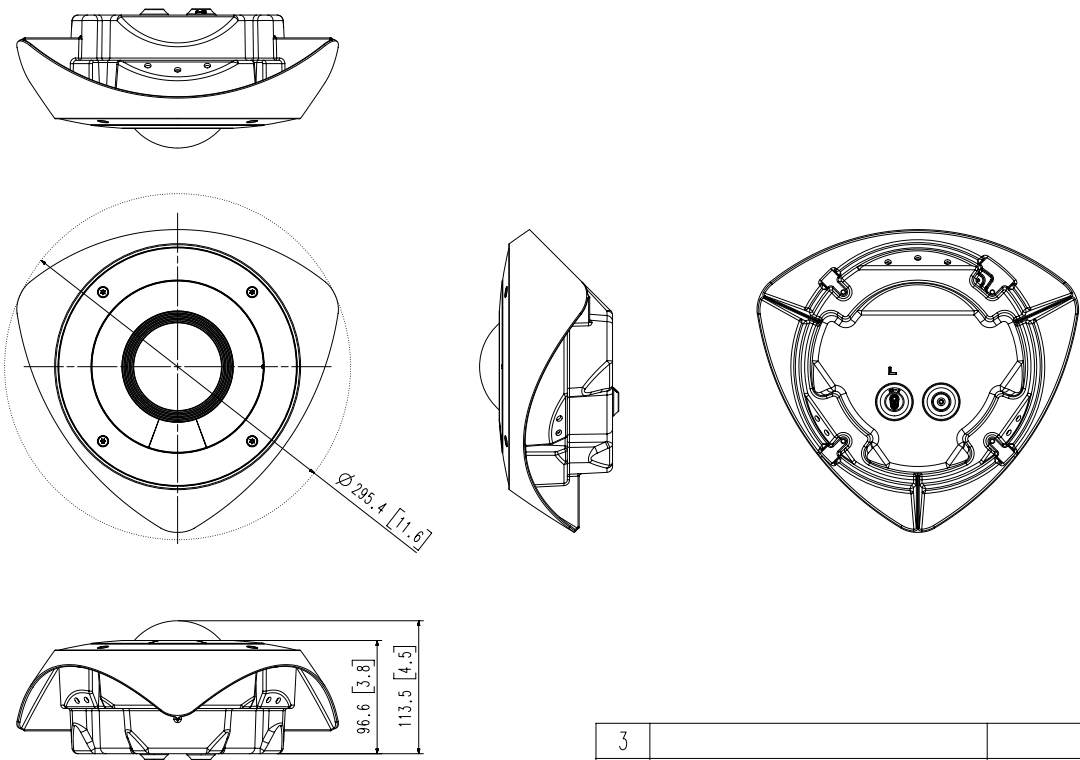
|                           |                 |
|---------------------------|-----------------|
| Detect (25PPM/ 8PPF)      | 33.2m(108.82ft) |
| Observe (63PPM/ 19PPF)    | 13.3m(43.53ft)  |
| Recognize (125PPM/ 38PPF) | 6.6m(21.76ft)   |
| Identify (250PPM/ 76PPF)  | 3.3m(10.88ft)   |

TNV-7011RC  
3MP Corner Mount Camera



CAD

Unit: mm [inch]



A2

© Hanwha Techwin Co., Ltd. All rights reserved.

|                                             |            |           |
|---------------------------------------------|------------|-----------|
| 3                                           |            |           |
| 2                                           |            |           |
| 1                                           | TNV-7011RC | '21.11.23 |
| No.                                         | MODEL NAME | DATE      |
| Unit: mm [inch] SCALE: 1/2 © Hanwha Techwin |            |           |