

Network

# TNV-8011C

5MP Corner Mount Camera

## Key Features

- Maximum 5MP resolution
- Maximum 30fps @ all resolutions (H.265/H.264/MJPEG)
- 0.1lux@F2.3(Color), 0.02lux@F2.3(B/W)
- 2.3mm fixed focal
- Anti-ligature design for corrections and behavioral health facilities
- Day & Night Auto(ICR), WDR (120dB)
- Defocus detection, Tampering, Audio detection
- Micro SD/SDHC/SDXC memory slot (128GB)
- Hallway view, WiseStream II support
- PoE, IP66, IP6K9K, IK10

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# TNV-8011C

5MP Corner Mount Camera



## Specifications

### Video

| | | |
|---|---|---|
| **Imaging Device** | Size | 1/2.8" |
| | Type | CMOS |
| **Resolution** | | 2592x1944, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360 |
| **Max. Framerate** | H.265/H.264 | 30fps/25fps(60Hz/50Hz) |
| | MJPEG | 15fps |
| **Min. Illumination (Lux)** | Color(1/30sec, 30IRE) | 0.1 |
| | BW(1/30sec, 30IRE) | 0.02 |
| **Video Out** | | CVBS: 1.0 Vp-p / 75Ω composite for installation,<br>USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle. |

### Lens

| | | |
|---|---|---|
| **Focal Length (mm)** | | 2.3 |
| **Max Aperture Ratio (F number)** | Wide | 2.3 |
| **Angular Field of View** | Horizontal | 131° |
| | Vertical | 93.4° |
| | Diagonal | 174° |
| **Focus Control** | | Fixed |

### Operational

| | | |
|---|---|---|
| **Day & Night** | | Auto(ICR) |
| **Backlight Compensation** | | BLC, WDR, SSDR |
| **Wide Dynamic Range (dB)** | | 120 |
| **Digital Noise Reduction** | | SSNR |
| **Digital Image Stabilization** | | Support |
| **Defog** | | Support |
| **Motion Detection** | Quantity | 4ea |
| | Shape | 8point Polygonal zones |
| **Privacy Masking** | Quantity | 6ea |
| | Shape | Rectangular zones |

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## Operational

| | | |
|---|---|---|
| **Gain Control** | | Low, Middle, High |
| **White Balance** | | ATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium |
| **LDC** | | Support |
| **Electronic Shutter** | Mode | Minimum, Maximum, Anti flicker |
| | Speed Range | 2~1/12,000sec |
| **Video Rotation** | | Flip, Mirror, Hallway view(90°/270°) |
| **Alarm Interface** | In/Out | Input 1ea, Output 1ea |
| **Alarm Triggers** | | Analytics, Network disconnect, Alarm input |
| **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,Alarm output |
| **Audio In** | | Selectable(mic in/line in) |
| **Audio Out** | | Line out |

## Analytics

| | | |
|---|---|---|
| **Analytics Events** | Normal | Defocus detection, Motion detection, Tampering, Audio detection, Virtual area(Intrusion, Enter/Exit), Virtual line(Crossing, Direction) |

## Network

| | | |
|---|---|---|
| **Ethernet** | | RJ-45(10/100BASE-T) |
| **Video Compression** | | H.265: Main,<br>H.264: Main/Baseline/High,MJPEG |
| **Audio Compression** | | G.711 u-law /G.726 selectable, G.726(ADPCM) 8kHz, G.711 8kHz, G.726: 16kbps, 24kbps, 32kbps, 40kbps |
| **Smart Codec** | | Manual, 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, SRTP(TCP, UDP Unicast), PIM-SM |
| **Application Programming Interface** | Others | SUNAPI(HTTP API), Hanwha Vision Open Platform |

## Security

| | |
|---|---|
| **OS / Firmware Protect** | Encrypted firmware |
| **User authentication** | Digest authentication |
| **Network authentication** | IEEE 802.1X(EAP-TLS, EAP-LEAP) |
| **Secure Communication** | HTTPS, SRTP |
| **Access Control** | IP-based access control |

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## 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~+55°C(+14°F~+131°F) |
| | Humidity | 0~95% RH(non-condensing) |
| **Storage Condition** | Temperature | -50°C~+60°C(-58°F~+140°F) |
| | Humidity | 0~95% RH(non-condensing) |
| **Input Voltage** | | PoE(IEEE802.3af, Class2) |
| **Power Consumption** | PoE | Max 6.49W, typical 4.6W |

## Mechanical

| | |
|---|---|
| **Color** | White |
| **Material** | Aluminum |
| **RAL Code** | RAL9003 |
| **Product Dimensions** | 170(W)x165(H)x78.8(D)mm(6.69x6.49x3.10") |
| **Product Weight** | 830g(1.83lb) |

## Certifications & Standards

| | |
|---|---|
| **EMC** | FCC 47 CFR 15 Subpart B Class A, CE/UKCA - EN55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3, VCCI CISPR 32 Class A, RCM AS-NZS CISPR 32 Class A |
| **Environment** | IEC/EN 63000, IEC 60529 IP66, ISO 20653 IP6K9K, IEC 62262 IK10 |

## DORI (EN62676-4 standard)

| | | |
|---|---|---|
| **Detect (25PPM/ 8PPF)** | Wide | 23.6m(77.51ft) |
| **Observe (63PPM/ 19PPF)** | Wide | 9.4m(31.00ft) |
| **Recognize (125PPM/ 38PPF)** | Wide | 4.7m(15.50ft) |
| **Identify (250PPM/ 76PPF)** | Wide | 2.4m(7.75ft) |

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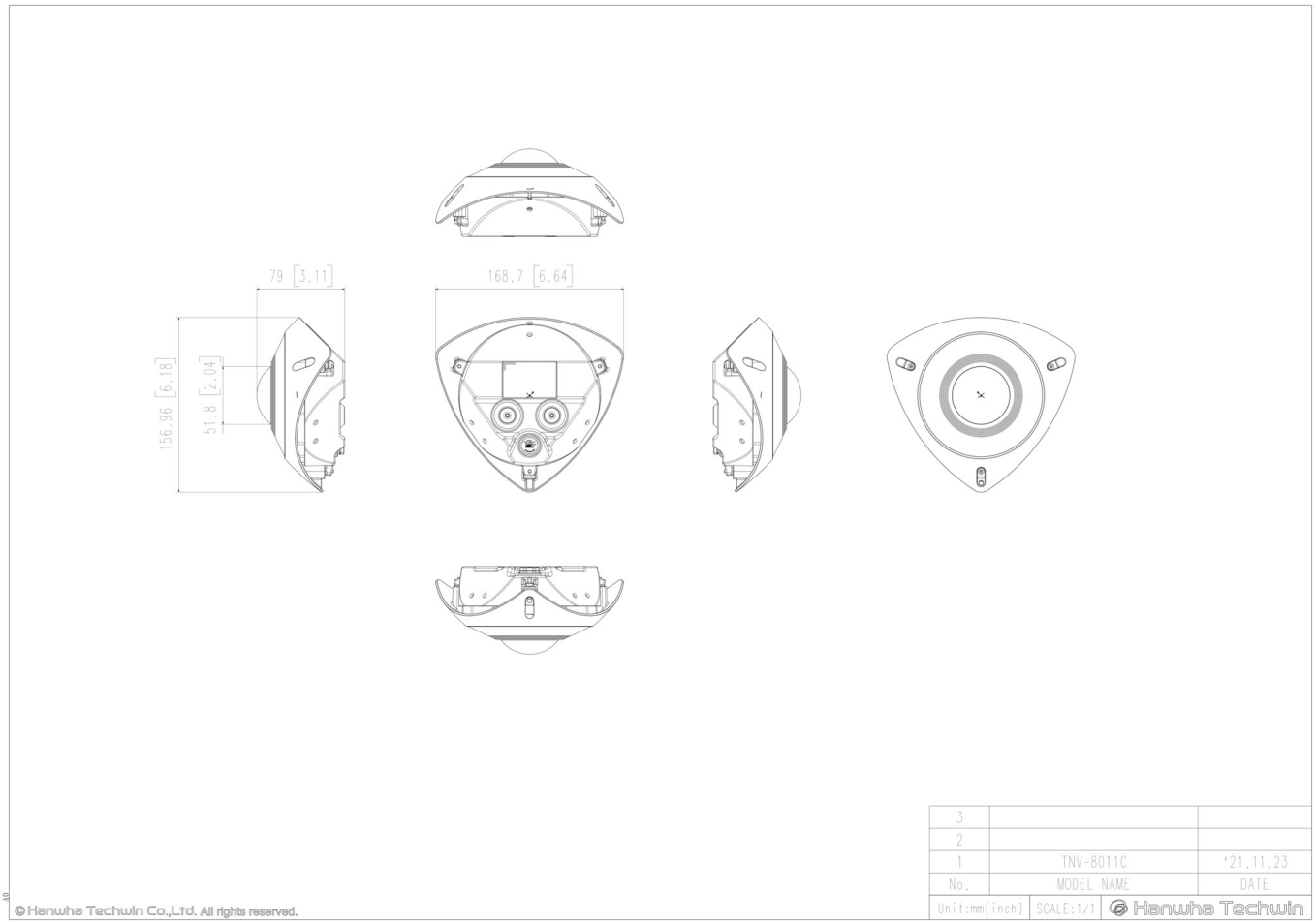
## CAD

**Unit:** mm [inch]

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## Compatible Devices



SBC-170CW



SBC-170C



SBC-170CB

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