# XNO-6020R

2M H.265 NW IR Bullet Camera



## Key Features

- Built-in 4.0mm fixed lens
- Max. 60fps@all resolutions (H.265/H.264)
- Day & Night (ICR), WDR(150dB)
- Loitering, Directional detection, Fog detection
- Digital auto tracking, Sound classification, Heatmap
- People counting, Queue management, Tampering
- Motion detection, Handover
- Dual SD slots(Max. 512GB), WiseStream II support
- IP67/IP66, NEMA 4X, IK10

## Accessories (Optional)



SBP-302PM

05-2019 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

Hanwha Techwin

| | |
|---|---|
| **Video** | |
| Imaging Device | 1/2.8" 2MP CMOS |
| Effective Pixels | 1945(H)x1109(V) |
| Min. Illumination | Color: 0.015lux(F1.4, 1.30sec)<br>B/W: 0 Lux (IR LED On) |
| Video Out | CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P), for installation<br>USB: Micro USB Type B, 1280x720, for installation |
| **Lens** | |
| Focal Length (Zoom Ratio) | 4mm fixed focal |
| Max. Aperture Ratio | F1.4 |
| Angular Field of View | H: 88.6˚, V:47.5˚, D: 104.8˚ |
| Min. Object Distance | 0.5m(1.64ft) |
| Focus Control | Fixed |
| **Operational** | |
| IR Viewable Length | 30m(98.43ft) |
| Camera Title | Displayed up to 85 characters |
| Day & Night | Auto(ICR) |
| Backlight Compensation | BLC, HLC, WDR, DWDR, SSDR |
| Wide Dynamic Range | 150dB |
| 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 | Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification |
| Business Intelligence | People counting, Queue management, Heatmap |
| Alarm I/O | Input 1ea / Output 1ea |
| Alarm Triggers | Analytics, Network disconnect, Alarm input |
| 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>Handover |
| Audio In | Selectable(Mic in/Line in),<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm |
| Audio Out | Line out, Max. output level: 1Vrms |

05-2019 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

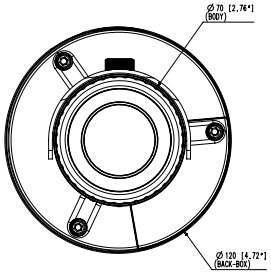
| | |
|---|---|
| **Network** | |
| Ethernet | RJ-45(10/100BASE-T) |
| Video Compression | H.265/H.264: Main/Baseline/High, MJPEG |
| Resolution | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate | H.265/H.264 : Max. 60fps/50fps(60Hz/50Hz)<br>MJPEG: Max. 30fps/25fps(60Hz/50Hz) |
| Smart Codec | Manual(5ea area)<br>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) |
| 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 16KHz |
| Protocol | 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, PIM-SM, UPnP, Bonjour , LLDP, 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) |
| Edge Storage | Micro SD/SDHC/SDXC 2slot 512GB |
| Application Programming Interface | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform |
| Web Viewer | Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12<br>Recommended Browser: Google Chrome<br>Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only) |
| Memory | 1024MB RAM, 256MB Flash |
| **Environmental** | |
| Operating Temperature / Humidity | -30°C ~ +55°C(-22°F ~ +131°F) / Less than 90% RH<br>*Start up should be done at above -20˚C |
| Storage Temperature / Humidity | -50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH |
| Certification | IP67/IP66/NEMA4X, IK10 |
| **Electrical** | |
| Input Voltage | PoE(IEEE802.3af, Class3), 12VDC |
| Power Consumption | PoE: Max 9.7W<br>12VDC: Max 8.8W |
| **Mechanical** | |
| Color / Material | Dark grey / Aluminum |
| Product dimensions / weight | Ø70x296mm(Ø2.76"x11.65"), 1220g(2.69 lb) |

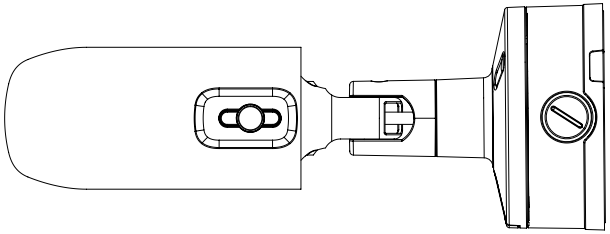
- The lastest product information / specification can be found at hanwha-security.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin , formerly known as Samsung Techwin.

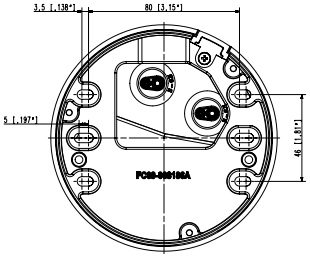
FC CE EAC 05-2019 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

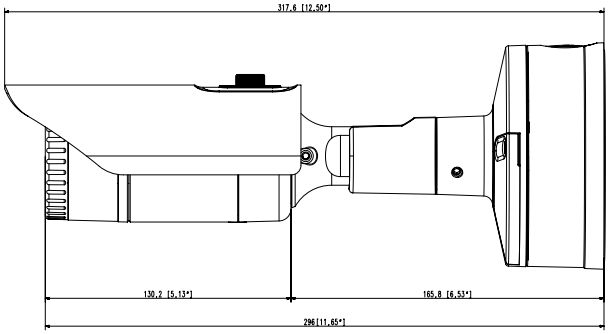
Hanwha Techwin

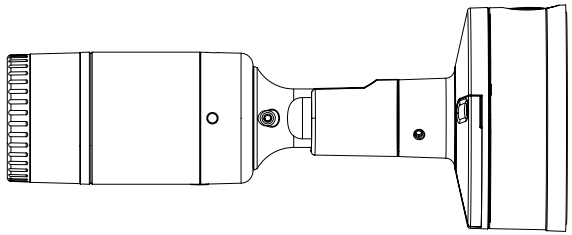
This parts should not contain any substances which are specified in ARM-0053K

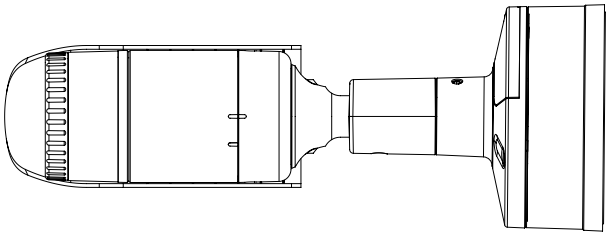


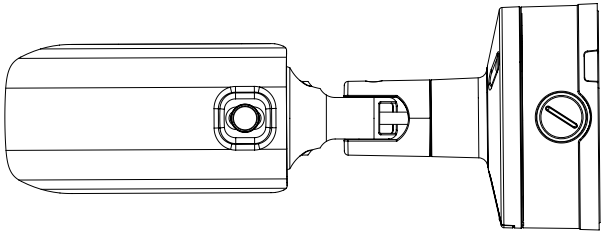


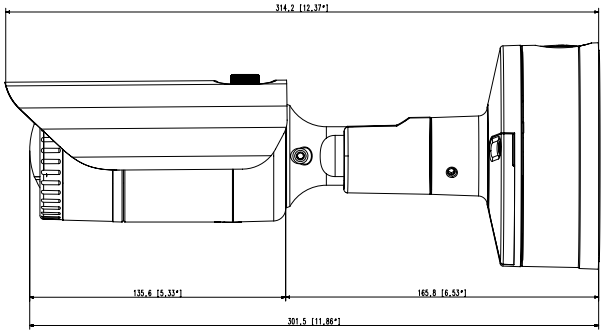



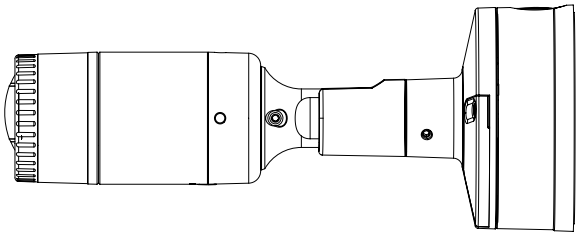



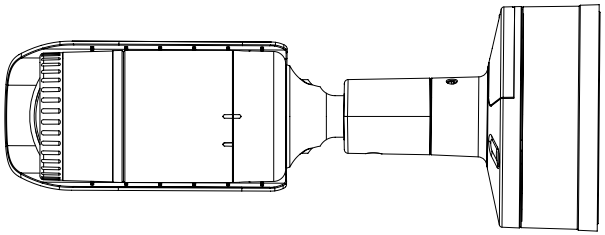


Appearance XNO-6020R/8020R/8030R/8040R
Unit : mm [inch]

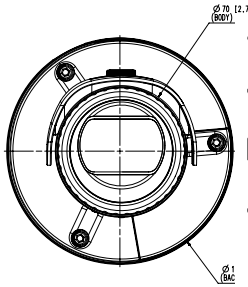


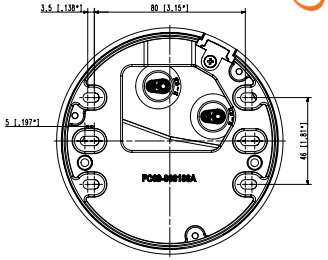




Appearance XNO-6010R
Unit : mm [inch]




Hanwha Techwin

FC CE EAC 05-2019 © 2020 Hanwha Techwin Co., Ltd. All rights reserved.



A0