

# XNV-6013M

2M Mobile Vandal-Resistant Network Camera

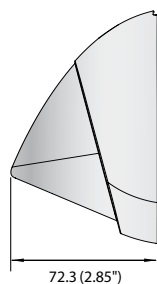
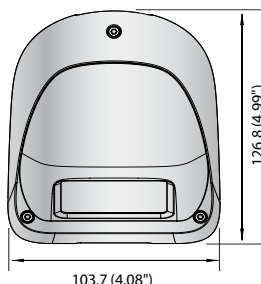
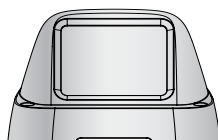


## Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- Max. 60fps@all resolutions (H.265 / H.264)
- 0.04Lux@F2.0 (Color), 0.04Lux@F2.0 (B/W)
- Built-in 2.8mm fixed lens
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Day & Night (Electrical), WDR (150dB)
- Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection, Digital auto tracking, Sound classification
- Motion detection, Handover
- SD/SDHC/SDXC memory slot (Max. 256GB)
- IP67, IP6K9K, IK10, NEMA4X
- Hallway view, PoE, LDC, M12 connector support

## Dimensions

Unit : mm (inch)



## XNV-6013M

| VIDEO                             |                                                                                                                                                                                                                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device                    | 1/2.8" 2M CMOS                                                                                                                                                                                                                                                                        |
| Total Pixels                      | 1,945(H) x 1,109(V) 2.16M                                                                                                                                                                                                                                                             |
| Effective Pixels                  | 1,945(H) x 1,097(V) 2.13M                                                                                                                                                                                                                                                             |
| Scanning System                   | Progressive Scan                                                                                                                                                                                                                                                                      |
| Min. Illumination                 | Color : 0.04Lux (F2.0), B/W : 0.04Lux (F2.0)                                                                                                                                                                                                                                          |
| S/N Ratio                         | 50dB                                                                                                                                                                                                                                                                                  |
| Video Out                         | USB : Micro USB type B, 1280 x 720, for installation                                                                                                                                                                                                                                  |
| LENS                              |                                                                                                                                                                                                                                                                                       |
| Focal Length (Zoom Ratio)         | 2.8mm fixed                                                                                                                                                                                                                                                                           |
| Max. Aperture Ratio               | F2.0                                                                                                                                                                                                                                                                                  |
| Angular Field of View             | H : 107.4° / V:62.2° / D:122°                                                                                                                                                                                                                                                         |
| Focus Control                     | Manual                                                                                                                                                                                                                                                                                |
| Lens / Mount Type                 | Fixed / Board type                                                                                                                                                                                                                                                                    |
| PAN / TILT / ROTATE               |                                                                                                                                                                                                                                                                                       |
| Pan / Tilt / Rotate Range         | ±5°/±10°/±90°                                                                                                                                                                                                                                                                         |
| OPERATIONAL                       |                                                                                                                                                                                                                                                                                       |
| Camera Title                      | Off / On (Displayed up to 85 characters)<br>- W/W : English / Numeric / Special characters<br>- China : English / Numeric / Special / Chinese characters<br>- Common : Multi-line (Max. 5), Color (Gray / Green / Red / Blue / Black / White), Transparency, Auto scale by resolution |
| Day & Night                       | Auto (Electrical) / Color / B/W / Schedule                                                                                                                                                                                                                                            |
| Backlight Compensation            | Off / BLC / HLC (Masking / Dimming), WDR                                                                                                                                                                                                                                              |
| Wide Dynamic Range                | 150dB                                                                                                                                                                                                                                                                                 |
| Contrast Enhancement              | SSDR (Off / On)                                                                                                                                                                                                                                                                       |
| Digital Noise Reduction           | SSNRV (2D + 3D noise filter) (Off / On)                                                                                                                                                                                                                                               |
| Digital Image Stabilization       | Off / On                                                                                                                                                                                                                                                                              |
| Defog                             | Off / Auto / Manual                                                                                                                                                                                                                                                                   |
| Motion Detection                  | Off / On (8ea, 8point polygonal zones), Handover                                                                                                                                                                                                                                      |
| Privacy Masking                   | Off / On (32ea, polygonal zones)<br>- Color : Gray / Green / Red / Blue / Black / White - Mosaic                                                                                                                                                                                      |
| Gain Control                      | Off / Low / Middle / High                                                                                                                                                                                                                                                             |
| White Balance                     | ATW / AWC / Manual / Indoor / Outdoor (Included mercury & Sodium)                                                                                                                                                                                                                     |
| Contrast                          | Level adjustment                                                                                                                                                                                                                                                                      |
| LDC (Lens Distortion Correction)  | Off / On (5 Levels with min / max)                                                                                                                                                                                                                                                    |
| Electronic Shutter Speed          | Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)                                                                                                                                                                                                                                    |
| Digital PTZ                       | 24x, Digital PTZ (Preset, Group)                                                                                                                                                                                                                                                      |
| Flip / Mirror                     | Off / On, Hallway view : 90°/270°                                                                                                                                                                                                                                                     |
| Video & Audio Analytics           | Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection<br>Motion detection, Digital auto tracking, Sound classification                                                                |
| Alarm Triggers                    | Motion detection, Video & Audio analytics, Network disconnect                                                                                                                                                                                                                         |
| Alarm Events                      | File upload via FTP, E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at event triggers, External output, DPTZ preset                                                                                                                                   |
| Audio Noise Reduction             | Off / On                                                                                                                                                                                                                                                                              |
| Pixel Counter                     | Support                                                                                                                                                                                                                                                                               |
| NETWORK                           |                                                                                                                                                                                                                                                                                       |
| Ethernet                          | M12 connector (10/100 BASE-T)                                                                                                                                                                                                                                                         |
| Video Compression Format          | H.265 / H.264 (MPEG-4 part 10/AVC) : Main / Baseline / High, MJPEG                                                                                                                                                                                                                    |
| Resolution                        | 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240                                                                                                                                             |
| Max. Framerate                    | H.265 / H.264 : Max. 60fps at all resolutions, MJPEG : Max. 30fps                                                                                                                                                                                                                     |
| Smart Codec                       | Manual mode (Area-based : 5ea)                                                                                                                                                                                                                                                        |
| WiseStream II                     | Support                                                                                                                                                                                                                                                                               |
| Video Quality Adjustment          | H.265 / H.264, MJPEG : Target bitrate level control                                                                                                                                                                                                                                   |
| Bitrate Control Method            | H.265 / H.264 : CBR or VBR, MJPEG : VBR                                                                                                                                                                                                                                               |
| Streaming Capability              | Multiple streaming (Up to 10 profiles)<br>Selectable (Mic in / Line in), Built-in microphone                                                                                                                                                                                          |
| Audio In                          | Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm                                                                                                                                                                                                                      |
| Audio Out                         | Line out, Max output level : 1Vrms                                                                                                                                                                                                                                                    |
| Audio Compression Format          | G.711 u-law/G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz, G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps, AAC-LC : 48Kbps at 16KHz                                                                                                                                                        |
| Audio Communication               | Bi-directional (2-Way)                                                                                                                                                                                                                                                                |
| IP                                | IPv4, IPv6                                                                                                                                                                                                                                                                            |
| Protocol                          | TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTPS, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour                                                                                                               |
| Security                          | HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1X authentication (EAP-TLS, EAP-LEAP)                                                                                                                                        |
| Streaming Method                  | Unicast / Multicast                                                                                                                                                                                                                                                                   |
| Max. User Access                  | 20 users at unicast mode                                                                                                                                                                                                                                                              |
| Edge Storage                      | SD/SDHC/SDXC 1 slot (up to 256GB)<br>- Motion Images recorded in the SD/SDHC/SDXC memory card can be downloaded.<br>NAS (Network Attached Storage), Local PC for instant recording                                                                                                    |
| Application Programming Interface | ONVIF profile S/G, SUNAPI (HTTP API), Wisenet open platform                                                                                                                                                                                                                           |
| Webpage Language                  | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek<br>Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12<br>Non-plugin Webviewer                                        |
| Web Viewer                        | - Supported Browser : Google Chrome 54, MS Edge 38, Mozilla Firefox 49 (Window 64bit only), Apple Safari 9 (Mac OS X only)<br>Plug-in Webviewer<br>- Supported Browser : MS Explore 11, Apple Safari 9 (Mac OS X only)                                                                |
| Central Management Software       | SmartViewer, SSM                                                                                                                                                                                                                                                                      |
| ENVIRONMENTAL                     |                                                                                                                                                                                                                                                                                       |
| Operating Temperature / Humidity  | -40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH<br>* Start up should be done at above -30°C (-22°F)                                                                                                                                                                                 |
| Storage Temperature / Humidity    | -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH                                                                                                                                                                                                                                     |
| Ingress Protection                | IP67, IP6K9K                                                                                                                                                                                                                                                                          |
| Vibration Resistance              | EN55011:2009+A1:2010, EN50581:2012, EN50121-3-2:2015, EN61000-4-2:2009, EN61000-4-3:2006+A2:2010, EN61000-4-4:2012, EN61000-4-5:2014, EN61000-4-6:2009, EN50155:2007, NEMA 4X                                                                                                         |
| Vandal Resistance                 | IK10, NEMA4X                                                                                                                                                                                                                                                                          |
| ELECTRICAL                        |                                                                                                                                                                                                                                                                                       |
| Input Voltage / Current           | PoE (IEEE802.3af, Class3)                                                                                                                                                                                                                                                             |
| Power Consumption                 | Max. 7.2W                                                                                                                                                                                                                                                                             |
| MECHANICAL                        |                                                                                                                                                                                                                                                                                       |
| Color / Material                  | Ivory (NCS S 0502-Y) / Metal                                                                                                                                                                                                                                                          |
| Dimensions (WxHxD)                | 103.7 x 72.3 x 126.8mm (4.08" x 2.85" x 4.99")                                                                                                                                                                                                                                        |
| Weight                            | 478g (1.04 lb)                                                                                                                                                                                                                                                                        |

\* The latest product information / specification can be found at [hanwha-security.eu](http://hanwha-security.eu)

\* Design and specifications are subject to change without notice.

\* Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.

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