

## WNP-1220XC

### 20X Optical Zoom High Speed Dome Camera

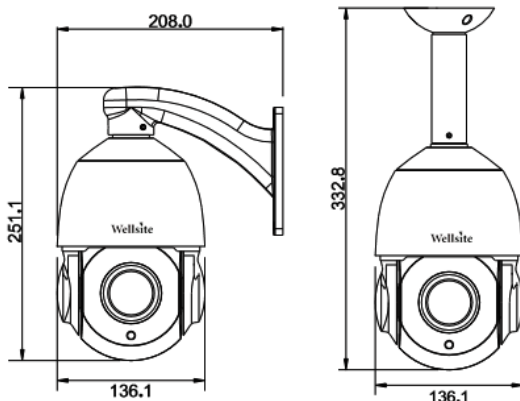
### Technical Specification



### Key Features

- ▶ 5" Weatherproof HD IP Medium Speed Dome Camera.
- ▶ 1/3" SONY 323 2.0MP Progressive Scan CMOS Sensor.
- ▶ 20X Optical Zoom, 30X Digital Zoom.
- ▶ Shutter Speed 1/30(25) sec ~ 1/8,000 sec.
- ▶ Pan Range: 360° Speed: Max.45°/sec.
- ▶ Tilt Range: 93° Speed: Max.30°/sec.
- ▶ Support AWC, AGC, Day/Night, DWDR, 3D NR.
- ▶ Embedded (IR-Cut Filter) provides Enhanced Picture & Color Quality.
- ▶ Support Main Stream, Sub Stream, MJPEG.
- ▶ Support IPv4, IPV6, RTSP/RTP/RTCP, TCP/UDP, HTTP, HTTPS, DHCP, DNS, FTP, DDNS, SMTP, NTP, QoS, IGMP.
- ▶ Support Android and iPhone platform smartphone.
- ▶ PC software and mobile phone client are included, easy remote network surveillance.
- ▶ Support Max. 128Gb Micro SD Card.
- ▶ Support Integrated ONVIF standard, Compatible with brand NVR such as Hikvision, Dahua and so on.
- ▶ Military circuit design, IP66, anti surge, anti lightning (prevent the 6000V transient voltage).
- ▶ Standard H.264 satisfy the transmission of high definition video.
- ▶ Unique 3D positioning function, to capture the goal is more convenient, accurate, and fast.
- ▶ Software Development Kit (SDK)

### Dimensions



| Model                    | WNP-1220XC  |   |
|--------------------------|---|---|
| <b>Camera</b>            |   |   |
| Image Sensor             | 1/3" SONY 323 2.0MP CMOS Sensor   |   |
| Effective Pixels         | 1080P (1920x1080)   |   |
| Scanning System          | Progressive Scan  |   |
| Min. Illumination        | Color: 0.01Lux, B/W: 0Lux   |   |
| White Balance            | Auto/ Manual/ Sun light/ Cloudy/ Incandescent light/ Cool white fluorescent light/ Sodium light |   |
| Shutter Speed            | 1/30(25) sec - 1/8,000 sec  |   |
| Wide Dynamic Range       | DWDR Level: 0 ~ 255   |   |
| HLC/BLC/DWDR             | Auto/Manual   |   |
| Gain Control             | Auto/Manual, 1X ~ 64X   |   |
| Noise Reduction          | 3D NR   |   |
| Day/Night                | Auto(IR-CUT Filter)/Color/B/W   |   |
| IR LEDs                  | Φ16x4pcs Array, 60M Night Vision Distance   |   |
| IR LEDs Mode             | Outcontrol/ Night/ Day/ Auto  |   |
| Motion Detection         | On/ Off   |   |
| Privacy Masking          | 4 zone  |   |
| Region of Interest       | 4 zone  |   |
| <b>Lens</b>              |   |   |
| Focal Length             | f=4.7 ~ 84.6mm. Varifocal lens  |   |
| Optical Zoom             | 20X Optical Zoom  |   |
| Digital Zoom             | 30X Digital Zoom  |   |
| View of Angle            | Horizontal: 360°; Vertical: 90°   |   |
| Focus                    | Manual/Auto/Semi-Auto/One Push  |   |
| <b>Pan and Tilt</b>      |   |   |
| Panning Range            | 0° ~ 360° (endless)   |   |
| Panning Speed            | Max.45°/sec (proportional to zoom ratio)  |   |
| Tilting Range            | 0° ~ 93° (upward-level-downward)  |   |
| Tilting Speed            | Max.30°/sec (proportional to zoom ratio)  |   |
| Number of Preset Pattern | Up to 255 preset (support custom preset function)<br>4 Pattern (ten minutes)                    |   |
| Guard Tours              | 3 Groups  |   |
| PTZ Protocol             | Pelco-D, Pelco-P, Samsung, Pelco-DH, Pelco-HK   |   |
| Baud Rate                | 2400/ 4800/ 9600/ 19200/ 38400  |   |
| <b>Video</b>             |   |   |
| Codec Platform           | High-Performance TI Davinci DSP   |   |
| Video Compression        | H.264 Baseline, Main profile, High Profile, MJPEG   |   |
| Video Stream             | Main Stream   | 1920x1080, 1280x960, 1280x720, 720x576, 720x480 |
|                          | Sub Stream  | 640x480, 480x360, 352x288, 320x240, 176x144     |
|                          | MJPEG   | 1280x720  |
| Video Frame Rate         | 1080p@25/30fps, 960p@25/30fps, 720p@25/30fps  |   |
| Video Bit Rate           | CBR(128-10000kbps), VBR   |   |
| <b>Audio (Optional)</b>  |   |   |
| Audio Compression        | G.711a/ G.711u/ PCM/ G726/ ACC  |   |
| Audio Sample Rate        | 8k, Input volume: 1 ~ 10  |   |
| Audio In/Out             | 1CH/1CH   |   |
| <b>Network</b>           |   |   |
| Ethernet                 | RJ-45 (10/100Base-T) Ethernet interface   |   |
| Protocol                 | IPv4, IPV6, RTSP/RTP/RTCP, TCP/UDP, HTTP, HTTPS, DHCP, DNS, FTP, DDNS, NTP, SMTP, QoS, IGMP     |   |
| Compatibility            | ONVIF 2.0   |   |
| <b>Alarm (Optional)</b>  |   |   |
| Alarm Mode               | Motion Detection  |   |
| Alarm Action             | Send alarm photo to your email  |   |
| <b>General</b>           |   |   |
| Character Display        | Support 5 zone, 36 Character  |   |
| SD Card                  | Support up to 128Gb Micro SD Card   |   |
| Power Supply             | DC12V 3A  |   |
| Power Consumption        | Day: less than 3W; Night: less than 12W   |   |
| PoE                      | IEEE802.3af (Optional)  |   |
| Temperature              | -20° ~ +60°   |   |
| Operating Humidity       | 10% ~ 90% (Non-condensing)  |   |
| Protection Grade         | IP66, Built-in Surge and Lightning Protection Devices<br>6000V Transient Voltage                |   |
| Dimension                | 251.1mm x 208.0mm x 136.1mm   |   |
| Weight                   | 1.6Kg (with wall mounting bracket)  |   |