

# FULL HIGH DEFINITION 4MP IP BULLET CAMERA

## VV-NC91004B-AZIR2T1 IR NIGHT VISION MOTORIZED CAMERA



### FEATURES

Full HD 4MP ( 2688x1520 ) resolution

1/3" progressive scan CMOS sensor

High performance IR cut mechanical filter for true day & night vision

Inbuilt 120dB WDR, 3D DNR, HLC, Defog, BLC, ROI functions

Support triple streams

Support mobile surveillance by smart phones with iOS or Android OS

Inbuilt smart analytics supported

IP67 Weather proof enclosure



## TECHNICAL SPECIFICATIONS

### VV-NC91004B-AZIR2T1

|                             |                            |                                                                                                                                                                                                       |
|-----------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                      | Image Sensor               | 1/3" progressive scan CMOS sensor                                                                                                                                                                     |
|                             | Signal System              | PAL/NTSC                                                                                                                                                                                              |
|                             | Effective Pixels           | 2688 (H) × 1520 (V)                                                                                                                                                                                   |
|                             | Minimum Illumination       | Color : 0.005 lux@F1.6,AGC ON;0 lux with IR                                                                                                                                                           |
|                             | Electronic Shutter Speed   | 1 / 3s ~ 1 / 100000 s                                                                                                                                                                                 |
|                             | Gain Control               | Auto                                                                                                                                                                                                  |
|                             | Signal to Noise            | > 50 dB                                                                                                                                                                                               |
|                             | Iris                       | DC Iris                                                                                                                                                                                               |
| Lens                        | Lens Type                  | 2.8~12mm@F1.3 ,motorized lens                                                                                                                                                                         |
|                             | Lens Mount                 | Ø14                                                                                                                                                                                                   |
|                             | Focus                      | Motorized                                                                                                                                                                                             |
|                             | Field of View              | H,FoV: 100.0°~28.9°; V,Fov: 54.5°~16.7°; D,FoV: 118°~35°                                                                                                                                              |
| Day/Night Functionality     | Day & Night                | True Day & Night with ICR                                                                                                                                                                             |
|                             | IR Cut                     | High performance Mechanical IR Cut Filter with auto switch                                                                                                                                            |
|                             | IR Source                  | Inbuilt Smart IR with intensity control                                                                                                                                                               |
|                             | IR Range                   | 30 ~ 50 mtr.                                                                                                                                                                                          |
| Compression                 | Video Compression          | H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                                                                                               |
|                             | H.265 Codec Profile        | Baseline Profile/Main Profile/High Profile                                                                                                                                                            |
|                             | Video Bit Rate             | 64Kbps ~ 8Mbps                                                                                                                                                                                        |
|                             | Audio Compression          | G711A / U                                                                                                                                                                                             |
| Resolution and Frame Rate   | Max. Resolution            | 4MP (2688×1520), 2592×1520, 2K (2560×1440), 3MP(2304×1296), 1080P, (1920×1080), 720P (1280×720 ), D1, VGA(640×480), 640×360, CIF, 480×240                                                             |
|                             | Main Stream                | 4MP/2592×1520/2K/3MP/1080P (60Hz: 1 ~ 30fps; 50Hz: 1~25fps)                                                                                                                                           |
|                             | Sub Stream                 | 1080P (60Hz:1~15fps; 50Hz:1~12fps)/ 720P/D1/VGA/640×360/480×240/CIF(60Hz: 1 ~ 30fps; 50Hz: 1~25fps)                                                                                                   |
|                             | Third Stream               | 720P/D1/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)                                                                                                                                                 |
| Operational Features        | Wide Dynamic Range         | 120dB                                                                                                                                                                                                 |
|                             | BLC                        | Supported                                                                                                                                                                                             |
|                             | Defog                      | Supported                                                                                                                                                                                             |
|                             | ROI                        | Each ROI to be configured separately                                                                                                                                                                  |
|                             | HLC                        | Supported                                                                                                                                                                                             |
|                             | DNR                        | Inbuilt 3D DNR (Digital Noise Reduction) circuit                                                                                                                                                      |
|                             | Codec Streaming Capability | Triple streaming                                                                                                                                                                                      |
|                             | Image Settings             | ROI, saturation, brightness, hue, contrast, wide dynamic, sharpness, Image mirror, Image flip, NR, etc. adjustable through client software or web browser                                             |
|                             | Smart Alarm                | Motion detection, SD card error, SD card full, IP address conflict, Network disconnected, sensor alarm                                                                                                |
|                             | General Function           | Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR                                                                                                                  |
|                             | Security                   | Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP/API |
| Network & Remote Monitoring | Protocols                  | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, NAT, QoS                                                                                  |
|                             | System compatibility       | ONVIF, API & SDK                                                                                                                                                                                      |
|                             | CMS                        | Full function CMS ( Central monitoring software)                                                                                                                                                      |
|                             | Mobile Client Application  | Supports android and iOS APP for Smart phone and tablets                                                                                                                                              |
|                             | Bandwidth control          | VBR (Automatic) and CBR (Manual) supported                                                                                                                                                            |
|                             | Web Browser                | Chrome 105.0+/Edge 105.0+/Firefox 121.0+/Safari 14.0+                                                                                                                                                 |
|                             | Online Connection          | Support simultaneous monitoring for up to 8 users; Support multi-stream real time transmission                                                                                                        |
|                             | Network Storage            | Built-in micro SD card slot; up to 256GB                                                                                                                                                              |

## TECHNICAL SPECIFICATIONS

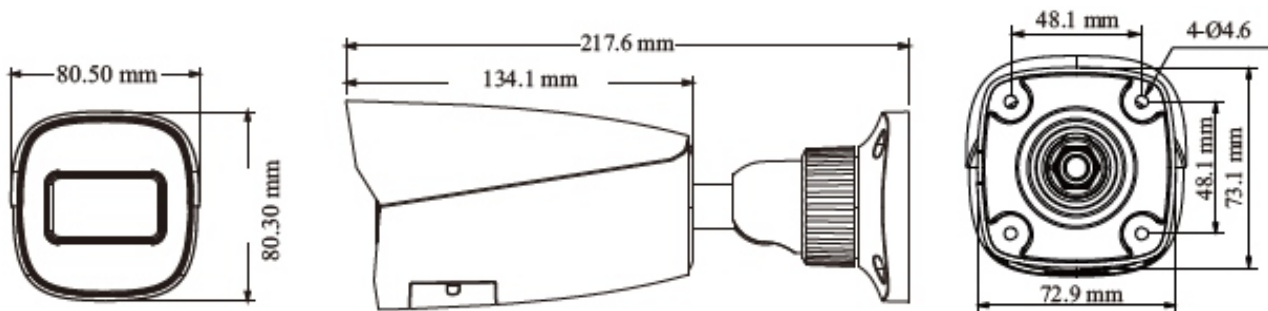
### VV-NC91004B-AZIR2T1

|                 |                       |                                                                                                                                                                     |            |            |           |
|-----------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----------|
| Interface       | Ethernet              | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                         |            |            |           |
|                 | Power Input           | Standard DC Jack                                                                                                                                                    |            |            |           |
|                 | Audio                 | 1CH audio input; 1CH audio output; 1 CH built-in MIC                                                                                                                |            |            |           |
|                 | Alarm                 | 1CH alarm input; 1CH alarm output                                                                                                                                   |            |            |           |
|                 | Reset                 | Yes,Supported                                                                                                                                                       |            |            |           |
| Smart Analytics | Smart Features        | Line crossing, region intrusion/entrance/exiting (human/vehicle classification) loitering detection, illegal parking detection, abandoned/ missing object detection |            |            |           |
|                 | Target Counting       | Target counting by line/area, heat map                                                                                                                              |            |            |           |
|                 | Exception Detection   | Scene change, video blur and video cast detection, audio exception                                                                                                  |            |            |           |
|                 | Face Detection        | Face detection and face capture                                                                                                                                     |            |            |           |
|                 | Face Detection        | Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature    |            |            |           |
| DORI Distance   | Lens                  | Detect                                                                                                                                                              | Observe    | Recognize  | Identify  |
|                 | 2.8~12mm(W)           | 58m(193ft)                                                                                                                                                          | 23m(77ft)  | 11m(38ft)  | 5m(19ft)  |
|                 | 2.8~12mm(T)           | 205m(675ft)                                                                                                                                                         | 82m(270ft) | 41m(135ft) | 20m(67ft) |
| Electrical      | Power Requirement     | DC12V/PoE (IEEE802.3af)                                                                                                                                             |            |            |           |
|                 | Power Consumption     | DC12V: <9W; PoE: <10.7W                                                                                                                                             |            |            |           |
| Environmental   | Enclosure             | IP67 weather proof enclosure                                                                                                                                        |            |            |           |
|                 | Operating Temperature | -30°C to + 60°C                                                                                                                                                     |            |            |           |
|                 | Storage Temperature   | -30°C to + 65°C                                                                                                                                                     |            |            |           |
|                 | Operating Humidity    | 95% or less (non-condensing)                                                                                                                                        |            |            |           |
| Mechanical      | Installation          | Ceiling mounting; Wall mounting                                                                                                                                     |            |            |           |
|                 | Dimensions            | 217.6 × 80.5 × 80.3mm                                                                                                                                               |            |            |           |
|                 | Weight                | Approx. 0.696KG                                                                                                                                                     |            |            |           |
| Certifications  | Certifications        | CE, FCC, RoHS                                                                                                                                                       |            |            |           |

\*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary.

## DIMENSIONS

Unit: mm



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