

# ULTRA HIGH DEFINITION 5MP IP DOME CAMERA

# VV-NC91595D-AF3IR1T1 IR NIGHT VISION FIXED CAMERA



## FEATURES

Ultra HD 5MP ( 2592 x 1944 ) resolution

1/2.7" progressive scan CMOS sensor

Inbuilt smart IR LEDs with intensity control

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

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

Support triple streams

Support intelligent analytics

IP67 weather proof enclosure



## TECHNICAL SPECIFICATIONS

### VV-NC91595D-AF3IR1T1

|                             |                            |                                                                                                                                                                                                   |
|-----------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                      | Image Sensor               | 1/2.7" progressive scan CMOS sensor                                                                                                                                                               |
|                             | Signal System              | PAL/NTSC                                                                                                                                                                                          |
|                             | Effective Pixels           | 2592 (H) × 1944 (V)                                                                                                                                                                               |
|                             | Minimum Illumination       | Color : 0.02 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                       | Fixed                                                                                                                                                                                             |
| Lens                        | Lens Type                  | 3.6mm fixed lens (2.8mm optional)                                                                                                                                                                 |
|                             | Lens Mount                 | M12                                                                                                                                                                                               |
|                             | FOV                        | Horizontal FoV: 80°; vertical FoV: 58°; diagonal FoV:108°                                                                                                                                         |
|                             | Focus                      | Fixed                                                                                                                                                                                             |
| 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 LEDs with intensity control                                                                                                                                                      |
|                             | IR Range                   | 20~30 Mtr.                                                                                                                                                                                        |
| Compression                 | Video Compression          | H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                                                                                           |
|                             | H.264 Codec Profile        | Baseline Profile/Main Profile/High Profile                                                                                                                                                        |
|                             | Video Bit Rate             | 64 Kbps ~ 8 Mbps                                                                                                                                                                                  |
|                             | Audio Compression          | G711A / U                                                                                                                                                                                         |
| Resolution and Frame Rate   | Max. Resolution            | 5MP (2592×1944 ),4MP (2592×1520),2K (2560×1440),3MP (2304×1296 ), 1080P (1920×1080), 720P (1280×720 ), D1, VGA (640×480), CIF, 480×240                                                            |
|                             | Main Stream                | 5MP/4MP/2K/3MP/1080P / 720P( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                                                    |
|                             | Sub Stream                 | 720P/D1/VGA/CIF/480×240 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                                                       |
|                             | Third Stream               | D1/CIF/480×240 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                                                                |
| Operational Features        | Wide Dynamic Range (WDR)   | 120dB WDR                                                                                                                                                                                         |
|                             | BLC                        | Supported                                                                                                                                                                                         |
|                             | ROI                        | Each ROI to be configured separately                                                                                                                                                              |
|                             | Defog                      | Supported                                                                                                                                                                                         |
|                             | HLC                        | Supported                                                                                                                                                                                         |
|                             | DNR                        | Inbuilt 3D DNR (Digital Noise Reduction) circuit                                                                                                                                                  |
|                             | Codec Streaming Capability | Triple streaming                                                                                                                                                                                  |
|                             | Image Settings             | ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, antiflicker, etc. adjustable through client software or web browser                                                     |
|                             | Alarm Trigger              | Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, audio alarm                                                                                       |
|                             | General Function           | Watermark, video mask, heartbeat, image distortion correction, corridor pattern,ANR, cloud upgrade                                                                                                |
|                             | 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 |
| Network & Remote Monitoring | Protocols                  | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, 802.1x, UPnP, HTTPs, HTTP POST, P2P, QoS                                                                    |
|                             | System compatibility       | ONVIF                                                                                                                                                                                             |
|                             | 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 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+                                                                                                                                                |
|                             | Storage                    | Built-in micro SD card slot, up to 256GB                                                                                                                                                          |
|                             | Online Connection          | Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission                                                                                                   |

## TECHNICAL SPECIFICATIONS

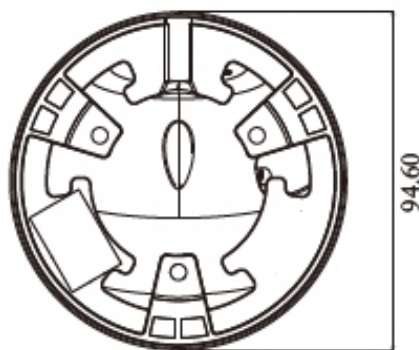
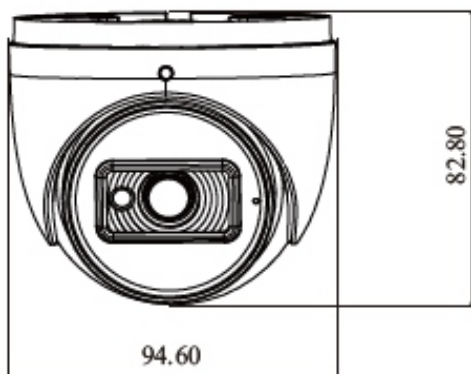
### VV-NC91595D-AF3IR1T1

|                 |                       |                                                                                                                                                                  |                 |                 |                |
|-----------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|----------------|
| Interface       | Ethernet              | 1 RJ 45 10M/100M self-adaptive Ethernet port                                                                                                                     |                 |                 |                |
|                 | Power Input           | Standard DC Jack                                                                                                                                                 |                 |                 |                |
|                 | Audio                 | 1CH audio input; 1CH audio output; 1 CH built-in MIC                                                                                                             |                 |                 |                |
|                 | Reset                 | Yes, supported                                                                                                                                                   |                 |                 |                |
| Smart Analytics | Smart Features        | Line crossing, region intrusion/entrance/exiting, 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 abnormal color detection, audio exception                                                                                           |                 |                 |                |
|                 | Face Detection        | Face detection and face capture                                                                                                                                  |                 |                 |                |
|                 | Video Metadata        | 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       |
|                 | 2.8mm                 | 55.16m(180.97ft)                                                                                                                                                 | 22.06m(72.37ft) | 11.03m(36.18ft) | 5.52m(18.11ft) |
|                 | 3.6mm                 | 70.14m(230.11ft)                                                                                                                                                 | 28.06m(92.06ft) | 14.03m(46.03ft) | 7.01m(22.99ft) |
| Electrical      | Power Requirement     | DC12V/PoE ( IEEE802.3af)                                                                                                                                         |                 |                 |                |
|                 | Power Consumption     | Max. <7W                                                                                                                                                         |                 |                 |                |
| Environmental   | Enclosure             | IP67 weather proof enclosure                                                                                                                                     |                 |                 |                |
|                 | Operating Temperature | -30°C to + 60°C                                                                                                                                                  |                 |                 |                |
|                 | Operating Humidity    | 95% or less (non-condensing)                                                                                                                                     |                 |                 |                |
| Mechanical      | Color                 | Ceiling mounting; Wall mounting                                                                                                                                  |                 |                 |                |
|                 | Dimensions            | Ø 94.6 × 82.8                                                                                                                                                    |                 |                 |                |
|                 | Weight                | Approx. 0.46KG                                                                                                                                                   |                 |                 |                |
| 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



## VANTAGE INTEGRATED SECURITY SOLUTIONS LIMITED

B3, Bredon House 321, Tenttenhall Road Tettenhall, Wolverhampton

West Midlands, WV6 0JZ United Kingdom

Ph:+44-1902793383, Email: sales@vantagesecurity.com

[www.vantagesecurity.com](http://www.vantagesecurity.com)

(AN ISO 9001 : 2008, ISO14001 : 2004 CERTIFIED COMPANY)

