

# ULTRA HIGH DEFINITION 6MP IP DOME CAMERA

**VV-NC41776D-AZWLIR1T1**  
FULL COLOR DUAL ILLUMINATION MOTORIZED CAMERA



**COLOR ON**  
CAMERAS

## FEATURES

Ultra high definition 6MP( 3200 x 1800) resolution

1/2.39" progressive scan CMOS sensor

Dual night vision modes with smart IR LED and white LED supplementary light

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

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

Support triple streams

Inbuilt smart analytics supported

IP66 Weather proof outdoor enclosure



## TECHNICAL SPECIFICATIONS

### VV-NC41776D-AZWLIR1T1

|                             |                            |                                                                                                                                                                                          |
|-----------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                      | Image Sensor               | 1/2.39" progressive scan CMOS sensor                                                                                                                                                     |
|                             | Signal System              | PAL/NTSC                                                                                                                                                                                 |
|                             | Effective Pixels           | 3200 (H) × 1800(V)                                                                                                                                                                       |
|                             | Minimum Illumination       | Color : 0.02 lux @F1.6, AGC ON; B&W: 0 lux with illumination on                                                                                                                          |
|                             | Electronic Shutter Speed   | 1/3s ~ 1 / 100000s                                                                                                                                                                       |
|                             | Gain Control               | Auto                                                                                                                                                                                     |
|                             | Signal to Noise            | > 50 dB                                                                                                                                                                                  |
|                             | Iris                       | Fixed                                                                                                                                                                                    |
| Lens                        | Lens Type                  | 2.8~12mm@F1.6, motorized lens                                                                                                                                                            |
|                             | Lens Mount                 | Ø 14                                                                                                                                                                                     |
|                             | Focus                      | Motorized                                                                                                                                                                                |
|                             | FOV                        | H.FoV: 108°~36°; V.Fov: 57°~20°;D.FoV: 129°~42°                                                                                                                                          |
| Day/Night Functionality     | Day & Night                | Auto, Day, Night, Timing                                                                                                                                                                 |
|                             | IR Cut                     | High performance mechanical IR cut filter with auto switch                                                                                                                               |
|                             | IR Source                  | Inbuilt smart IR LEDs with intensity control                                                                                                                                             |
|                             | White Light Range          | IR range: 30 ~ 40 m; white light range:30 ~ 40 m                                                                                                                                         |
| Compression                 | Video Compression          | H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                                                                                  |
|                             | H.265 Codec Profile        | Main Profile@Level4.1 High Tier                                                                                                                                                          |
|                             | Audio Compression          | G711A/U                                                                                                                                                                                  |
|                             | Video Bit Rate             | 64 Kbps ~ 8 Mbps                                                                                                                                                                         |
| Resolution and Frame Rate   | Max. Resolution            | 6MP (3200×1800 ), 4MP (2688×1520 ), 2K (2560×1440 ),1080P (1920 × 1080)<br>720P ( 1280 × 720 ), D1, VGA (640 × 480), 640 × 360, CIF, 480 × 240                                           |
|                             | Main Stream                | 50Hz: 6MP(1~20fps)/4MP/2K/1080P(1~25fps)<br>60Hz: 6MP(1~20fps)/4MP/2K/1080P(1~30fps)                                                                                                     |
|                             | Sub Stream                 | 50Hz: 720P/D1/VGA/640 × 360/480× 240/CIF(1~25fps)<br>60Hz : 720P/D1/VGA/640 × 360/480× 240/CIF(1~30fps)                                                                                  |
|                             | Third Stream               | 60Hz: D1/480 240/CIF (1~30fps);50Hz: D1/x 480× 240/CIF(1~25fps)                                                                                                                          |
| Operational Features        | Wide Dynamic Range (WDR)   | 120dB                                                                                                                                                                                    |
|                             | BLC                        | 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 Flip, Image Mirror, NR, etc. adjustable through client software or web browser                                |
|                             | Smart Alarm                | Motion detection, SMD, SD card full, SD card error, IP address conflict, cable disconnected, video exception(scene change, video blur and video cast detection) audio alarm, light alarm |
|                             | General Function           | Watermark, IP address filtering, video mask, heartbeat, smart supplement light, corridor pattern, ANR, system disarming, cloud upgrade                                                   |
|                             | Security                   | Video encryption, firmware encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP               |
| Network & Remote Monitoring | Protocols                  | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, HTTP POST, 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                                                                                                                                               |
|                             | Online Connection          | Support simultaneous monitoring for up to 6 users;<br>Support multi-stream real time transmission                                                                                        |
|                             | Web Browser                | Chrome 105.0+/Edge 105.0+/Firefox 121.0+/Safari 14.0+                                                                                                                                    |
|                             | Network Storage            | Built-in micro SD card slot, up to 256GB                                                                                                                                                 |

## TECHNICAL SPECIFICATIONS

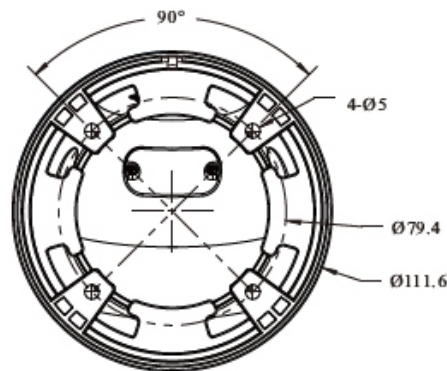
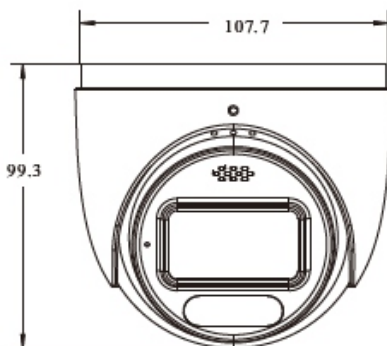
### VV-NC41776D-AZWLR1T1

|                   |                       |                                                                                                                                     |            |            |           |
|-------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----------|
| Analytics Feature | Smart Features        | Line crossing /region intrusion detection(human/motor vehicle/non-motor vehicle classification), abandoned/missing object detection |            |            |           |
| DORI Distance     | Lens                  | Detect                                                                                                                              | Observe    | Recognize  | Identify  |
|                   | 2.8~12mm(W)           | 66m(218ft)                                                                                                                          | 27m(87ft)  | 13m(44ft)  | 7m(23ft)  |
|                   | 2.8~12mm(T)           | 204m(669ft)                                                                                                                         | 82m(269ft) | 41m(135ft) | 20m(66ft) |
| Interface         | Ethernet              | 1 RJ45 10/100 Ethernet port                                                                                                         |            |            |           |
|                   | Power Input           | Standard DC Jack                                                                                                                    |            |            |           |
|                   | Audio                 | 1CH audio input; 1CH built-in MIC; 1CH audio output; 1CH built-in speaker                                                           |            |            |           |
|                   | Reset                 | Yes, supported                                                                                                                      |            |            |           |
| Electrical        | Power Requirement     | DC12V/PoE (IEEE802.3af)                                                                                                             |            |            |           |
|                   | Power Consumption     | DC12V: < 9.2W; PoE: <10.7W                                                                                                          |            |            |           |
| Environmental     | Enclosure             | IP66 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            | Φ 111.6 × 99.3                                                                                                                      |            |            |           |
|                   | Weight                | Approx. 0.62KG                                                                                                                      |            |            |           |
| 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 due to customized solutions & products being offered as per customer requirements.

## 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)

