

# FULL HIGH DEFINITION 4MP IP BULLET CAMERA

**VV-NC41764B-AF3WLIR2T1**  
FULL COLOR DUAL ILLUMINATION FIXED CAMERA



 **COLOR**  **N**  
CAMERAS

## FEATURES

Full high definition 4MP( 2560 x 1440) resolution

1/3" 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

IP67 Weather proof enclosure



## TECHNICAL SPECIFICATIONS

### VV-NC41764B-AF3WLIR2T1

|                             |                            |                                                                                                                                                                                                       |
|-----------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                      | Image Sensor               | 1/3" progressive scan CMOS sensor                                                                                                                                                                     |
|                             | Signal System              | PAL/NTSC                                                                                                                                                                                              |
|                             | Effective Pixels           | 2560 (H) × 1440 (V)                                                                                                                                                                                   |
|                             | Minimum Illumination       | Color : 0.005 lux @F1.6, AGC ON; 0 lux with illumination on                                                                                                                                           |
|                             | Electronic Shutter Speed   | 1/1s ~ 1 / 100000s                                                                                                                                                                                    |
|                             | Gain Control               | Auto                                                                                                                                                                                                  |
|                             | Signal to Noise            | > 50 dB                                                                                                                                                                                               |
|                             | Iris                       | Fixed                                                                                                                                                                                                 |
| Lens                        | Lens Type                  | 3.6 mm @F1.6 (2.8mm optional)                                                                                                                                                                         |
|                             | Lens Mount                 | M12                                                                                                                                                                                                   |
|                             | Focus                      | Fixed                                                                                                                                                                                                 |
|                             | FOV                        | Horizontal FoV:78°;Vertical FoV:40°;Diagonal FoV:97°                                                                                                                                                  |
| 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                                                                                                                                                          |
|                             | White Light Range          | IR range: 20 ~ 30 m; white light range:20 ~ 30 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 ~ 6 Mbps                                                                                                                                                                                      |
| Resolution and Frame Rate   | Max. Resolution            | 4MP ( 2560 × 1440 ), 3MP ( 2304 × 1296 ), 1080P ( 1920 × 1080 ), 720P ( 1280 × 720 ), D1, VGA (640× 480), 480× 240, CIF                                                                               |
|                             | Main Stream                | 4MP/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                                                                     |
|                             | Sub Stream                 | 720P/D1/VGA/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                                                                        |
|                             | Third Stream               | D1/480× 240/CIF (60Hz: 1~30fps; 50Hz: 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 error, SD card full, IP address conflict, network disconnection, video exception                                                                                       |
|                             | General Function           | Watermark, IP address filtering, video mask, heartbeat, ANR, cloud upgrade, smart supplement light, corridor pattern, disarming                                                                       |
|                             | 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, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, 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                                                                                                                                                            |
|                             | Online Connection          | Support simultaneous monitoring for up to 6 users; Support multi-stream real time transmission                                                                                                        |
|                             | Web Browser                | Chrome 105.0+/Edge 105.0+/Firefox 121.0+/Safari 14.0+                                                                                                                                                 |
|                             | Storage                    | Built-in micro SD card slot, up to 256GB                                                                                                                                                              |

## TECHNICAL SPECIFICATIONS

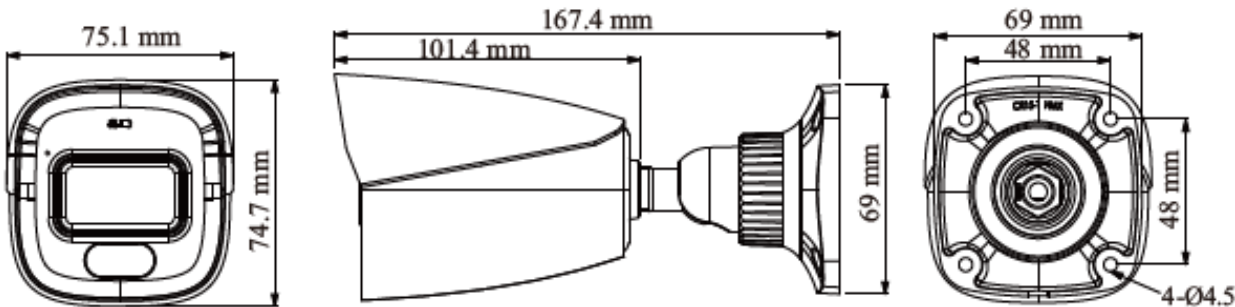
# VV-NC41764B-AF3WLIR2T1

|                 |                       |                                                                                                   |            |           |          |
|-----------------|-----------------------|---------------------------------------------------------------------------------------------------|------------|-----------|----------|
| Smart Analytics | Smart Features        | Line crossing/region intrusion (human/vehicle classification), abandoned/missing object detection |            |           |          |
| DORI Distance   | Lens                  | Detect                                                                                            | Observe    | Recognize | Identify |
|                 | 2.8mm                 | 62m(203ft)                                                                                        | 25m(81ft)  | 12m(40ft) | 6m(20ft) |
|                 | 3.6mm                 | 79m(259ft)                                                                                        | 32m(104ft) | 16m(52ft) | 8m(26ft) |
| Interface       | Ethernet              | 1 RJ45 10 Ethernet port                                                                           |            |           |          |
|                 | Power Input           | Standard DC Jack                                                                                  |            |           |          |
|                 | Audio                 | 1CH audio input; 1CH built-in MIC                                                                 |            |           |          |
|                 | Reset                 | Supported                                                                                         |            |           |          |
| Electrical      | Power Requirement     | DC12V/PoE (IEEE802.3af)                                                                           |            |           |          |
|                 | Power Consumption     | DC12V: < 4.1W; PoE: < 5.8W                                                                        |            |           |          |
| 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            | 167.4 × 75.1 × 74.7mm                                                                             |            |           |          |
|                 | Weight                | Approx. 0.45KG                                                                                    |            |           |          |
| 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](mailto:sales@vantagesecurity.com)

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

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