

# ULTRA HIGH DEFINITION 8MP IP DOME CAMERA

## VV-NC41178D-AF3IR1T1 IR NIGHT VISION FIXED CAMERA



### FEATURES

- Ultra high definition 8MP ( 3840 x 2160) resolution
- H.265+ video compression technology with real time encoding
- Inbuilt 120dB WDR, 3D DNR, HLC, ROI, Defog & BLC functions
- Support triple streams
- High performance IR Cut mechanical filter for true day & night vision
- Inbuilt smart analytics features
- Built-in micro SD card slot, up to 256GB
- IP67 weather proof outdoor enclosure

**H.265+**  
COMPRESSION



## TECHNICAL SPECIFICATIONS

### VV-NC41178D-AF3IR1T1

|                             |                            |                                                                                                                                                                                                    |
|-----------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                      | Image sensor               | 1/2.8" Progressive Scan CMOS Sensor                                                                                                                                                                |
|                             | Signal System              | PAL/NTSC                                                                                                                                                                                           |
|                             | Effective Pixels           | 3840 (H) × 2160 (V)                                                                                                                                                                                |
|                             | Minimum Illumination       | Color : 0.02 lux@F1.6, AGC ON; 0 lux with IR                                                                                                                                                       |
|                             | Electronic Shutter Speed   | 1 / 2 s ~ 1 / 100000 s                                                                                                                                                                             |
|                             | Gain Control               | Auto                                                                                                                                                                                               |
|                             | Signal to Noise            | > 50 dB                                                                                                                                                                                            |
|                             | Iris                       | Fixed                                                                                                                                                                                              |
| Lens                        | Lens Type                  | 2.8mm fixed lens                                                                                                                                                                                   |
|                             | Lens Mount                 | M12                                                                                                                                                                                                |
|                             | FoV                        | Horizontal FoV:101°; Vertical FoV:53°; Diagonal FoV:120°                                                                                                                                           |
|                             | 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 High intensity 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                                                                                                                                                         |
|                             | Audio Compression          | G711A / U                                                                                                                                                                                          |
|                             | Video Bit Rate             | 64 Kbps ~ 12 Mbps                                                                                                                                                                                  |
| Resolution and Frame Rate   | Max. Resolution            | 8MP ( 3840 × 2160 ), 6MP( 3072 × 2048 ),5MP( 2592 × 1944), 4MP ( 2592 × 1520), 2K(2560 × 1440 ), 3MP(2304 × 1296), 1080P ( 1920 × 1080 ), 720P ( 1280 × 720 ), D1, CIF, 480 × 240                  |
|                             | Main Stream                | 50Hz : 8MP(1~20fps)/6MP/5MP/4MP/2K/3MP/1080P/720P (1~25fps)<br>60Hz : 8MP(1~20fps)/6MP/5MP/4MP/2K/3MP/1080P/720P (1~30fps)                                                                         |
|                             | Sub Stream                 | 50Hz: 720P/D1/480 × 240(1~25fps)<br>60Hz: 720P(1~12fps)/D1/480 × 240(1~30fps)                                                                                                                      |
|                             | Third Stream               | 50Hz: 720P/D1/CIF/480 × 240 (1~25fps)<br>60Hz: 720P/D1/CIF/480 × 240 (1~25fps)                                                                                                                     |
|                             |                            |                                                                                                                                                                                                    |
| Operational Features        | HLC                        | Supported                                                                                                                                                                                          |
|                             | Wide Dynamic Range (WDR)   | 120dB                                                                                                                                                                                              |
|                             | Backlight Compensation     | Supported                                                                                                                                                                                          |
|                             | Defog                      | 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                                          |
|                             | General Function           | Watermark, video mask, heartbeat, corridor pattern                                                                                                                                                 |
|                             | Onboard Storage            | Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB                                                                                                                                            |
|                             | ROI                        | Each ROI to be configured separately                                                                                                                                                               |
|                             | Alarm Trigger              | Motion detection; SD card error; SD card full                                                                                                                                                      |
|                             | Security                   | Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPS |
| Network & Remote Monitoring | Protocols                  | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPs, 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                                                                                                                                                         |
|                             | Network Storage            | NVR/CMS                                                                                                                                                                                            |
|                             | Web Browser                | IE11(plugin-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+                                                                                                                        |
|                             | Online Connection          | Support simultaneous monitoring for up to 10 users;<br>Support multi-stream real time transmission                                                                                                 |

## TECHNICAL SPECIFICATIONS

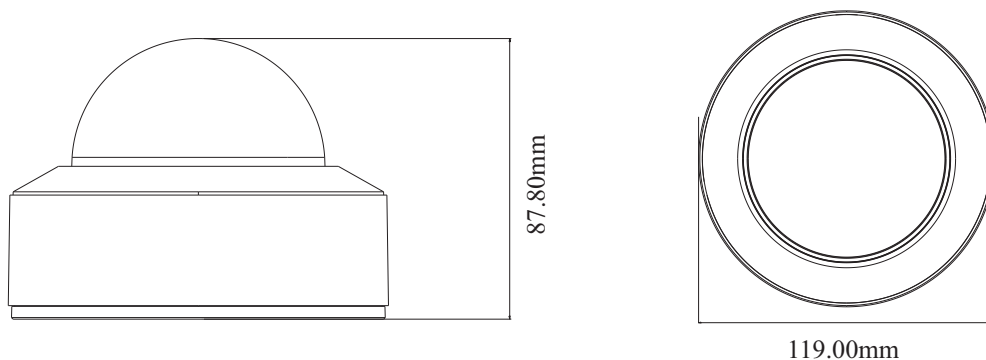
# VV-NC41178D-AF3IR1T1

|                   |                       |                                                                                                             |
|-------------------|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Analytics Feature | Smart Features        | Scene change, video blur detection, abnormal color detection , line crossing detection, intrusion detection |
| Interface         | Ethernet              | 1 RJ45 10/100 Ethernet port                                                                                 |
|                   | Power Input           | Standard DC Jack                                                                                            |
|                   | Audio Input           | 1CH built-in MIC; 1CH audio input                                                                           |
|                   | Reset                 | Yes , supported                                                                                             |
| Electrical        | Power Requirement     | DC12V, PoE (IEEE802.3af)                                                                                    |
|                   | Power Consumption     | Max. 7W                                                                                                     |
| Environmental     | Enclosure             | IP67 Weather proof outdoor enclosure                                                                        |
|                   | Impact Protection     | IK10                                                                                                        |
|                   | Operating Temperature | -30°C to + 60°C                                                                                             |
|                   | Storage Temperature   | -30°C to + 65°C                                                                                             |
|                   | Operating Humidity    | 95% or less (non-condensing)                                                                                |
| Mechanical        | Color                 | White                                                                                                       |
|                   | Dimensions            | Φ 119 × 87.8mm                                                                                              |
|                   | Weight                | Approx. 0.64KG                                                                                              |
| 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)

