

# ULTRA HIGH DEFINITION 8MP IP DOME CAMERA

**VV-NC91778D-AF3WLIR1T1**  
FULL COLOR DUAL ILLUMINATION FIXED CAMERA



**COLOR ON**  
CAMERAS

## FEATURES

Ultra high definition 8MP ( 3840 x 2160) resolution

1/1.8" 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, defog & ROI functions

Support Triple streams

Inbuilt smart analytics supported

IP66 weather proof outdoor enclosure



## TECHNICAL SPECIFICATIONS

### VV-NC91778D-AF3WLIR1T1

|                             |                            |   |
|-----------------------------|----------------------------|---|
| Camera                      | Image Sensor               | 1/1.8" progressive scan CMOS sensor   |
|                             | Signal System              | PAL/NTSC  |
|                             | Effective Pixels           | 3840 (H) × 2160 (V)   |
|                             | Minimum Illumination       | Color : 0.008lux@F1.6, AGC ON, 0 lux with IR, 0 lux with LED  |
|                             | Electronic Shutter Speed   | 1 / 4s ~ 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   |
|                             | Focus                      | Fixed   |
|                             | Field of View              | H.FoV: 88°; V.FoV:51°; D.FoV:100°   |
| 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 & 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.264 codec profile        | Baseline Profile/Main Profile/High Profile  |
|                             | Audio Compression          | G711A / U   |
|                             | Video Bit Rate             | 64Kbps ~ 12Mbps   |
| Resolution and Frame Rate   | Max. Resolution            | 8MP(3840×2160), 6MP(3200×1800), 4MP(2688×1520), 2K(2560×1440), 1080P (1920 ×1080), 720P(1280×720), D1, VGA(640×480), 640×360, CIF, 480×240  |
|                             | Main Stream                | 8MP/6MP/4MP/2K/1080P( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )   |
|                             | Sub Stream                 | 1080P(60Hz/50Hz:1~15fps)/720P/D1/640×360(60Hz:1~30fps; 50Hz:1~25fps)  |
|                             | Third Stream               | 720P(60Hz/50Hz:1~15fps)/D1/VGA/640×360/CIF/480×240(60Hz:1~30fps; 50Hz:1~25fps)  |
| Operational Features        | Wide Dynamic Range (WDR)   | 120dB   |
|                             | Defog                      | Supported   |
|                             | BLC                        | Supported   |
|                             | ROI                        | Each ROI to be configured separately  |
|                             | HLC                        | Supported   |
|                             | DNR                        | Inbuilt 2D/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   |
|                             | Alarm Trigger              | Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable connection, audio alarm, light alarm  |
|                             | Onboard Storage            | Built-in Micro SD/SDHC/SDXC slot, up to 256 GB  |
|                             | 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 |
|                             | General Function           | Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction, smart supplement light, disarming   |
| Network & Remote Monitoring | Protocols                  | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS  |
|                             | System Compatibility       | ONVIF   |
|                             | CMS                        | Full function CMS ( Central monitoring software)  |
|                             | Mobile Client Application  | Supports android and iOS APP for Smart phone and tablets  |
|                             | Web Browser                | IE11(plugin-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+   |
|                             | Bandwidth Control          | VBR (Automatic) and CBR (Manual) supported  |
|                             | Online Connection          | Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission   |

## TECHNICAL SPECIFICATIONS

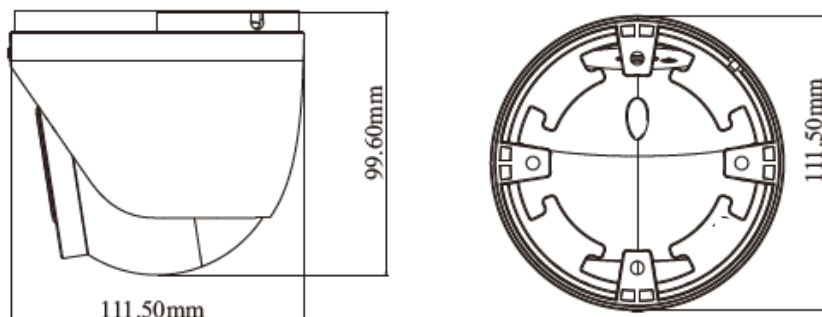
### VV-NC91778D-AF3WLIR1T1

|                   |                       |   |
|-------------------|-----------------------|---|
| Analytics Feature | Smart Features        | Line crossing, region intrusion/entrance/exiting (human/vehicle classification) loitering detection, illegal parking detection, abandoned/ missing object detection |
|                   | Exception Detection   | Scene change, video blur and abnormal color detection, audio exception  |
|                   | Statistics            | Target counting by line/area, heat map  |
|                   | Face Detection        | Face detection and face capture   |
|                   | Video Metadata        | Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature    |
| Interface         | Ethernet              | 1 RJ45 10/100 self-adaptive ethernet port   |
|                   | Power Input           | Standard DC Jack  |
|                   | Audio                 | 1CH audio input; 1CH built-in speaker, 1CH built-in microphone  |
|                   | Alarm                 | 1CH alarm input; 1CH alarm output   |
| Electrical        | Power Requirement     | 12 VDC/ PoE (IEEE802.3af)   |
|                   | Power Consumption     | Max. <12.5 W  |
| Environmental     | Enclosure             | IP66 Weather proof outdoor enclosure  |
|                   | 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            | Ø111.5 × 99.6mm   |
|                   | 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 due to customized solutions & products being offered as per customer requirements.

## DIMENSIONS

Unit: mm



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