

# 5M IP IR Flat Dome

NVD13-65-R

## Features

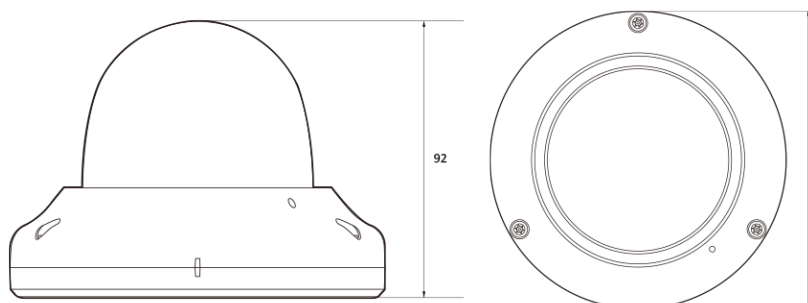
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- Weather Proof Design
- Water Proof Cable
- Optimized Multiple Profile Streaming
- ROI(Region of Interest)
- Advanced Built in ISP
- Fluid Integration Way
- Double Scan Sensor with Advanced Built in ISP (5M)
- Two motor MFZ(Motorized Focus Controllable) / P-Iris lens



## Dimension (mm)

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## Specification

### Video

|                             |                                |
|-----------------------------|--------------------------------|
| Image Sensor                | 1/2.8" 5.14M CMOS              |
| Channels                    | 1                              |
| Total Pixel                 | 2592(H) X 1944(V)              |
| Max Resolution              | 2592 x 1944                    |
| MIN. Illumination           | 0.08Lux<br>0Lux with IR (F1.4) |
| Only installer Video Output | 1 [CVBS 1.0V p-p (75Ω)]        |
| S/N(signal/noise) Ratio     | 50dB                           |
| Scanning Mode               | Progressive Scan               |

### Lens

|                   |                                             |
|-------------------|---------------------------------------------|
| Focal Length      | 2.7~13.5mm                                  |
| Aperture          | F1.4                                        |
| Lens Type         | Motorized                                   |
| IRIS Type         | P-IRIS                                      |
| Horizontal Angle  | D:39.4 ~125.5 , H:31.6 ~98.3 , V:23.5 ~70.8 |
| Pan / Tilt / Zoom | Pan:<br>Tilt :<br>Zoom :X5 Optical          |

### Operational

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| Shutter Speed            | Auto / Manual (1/15 ~ 1/32000) Anti-Flicker Slow Shutter(1/2,1/3,1/5,1/6,1/7.5, 1/10) |
| Auto Gain Control (AGC)  | Yes                                                                                   |
| Day & Night              | TDN (True Day & Night)                                                                |
| Digital Noise Reduction  | 3D DNR                                                                                |
| Wide Dynamic Range (WDR) | WDR (2x)                                                                              |
| Dynamic Range            | 120dB or above                                                                        |
| IR LEDs                  | H2IR                                                                                  |
| IR Distance              | 70ft                                                                                  |
| Privacy Zone             | Yes                                                                                   |
| Function                 | Motion Detection Mirror & Flip                                                        |

### Intelligent Video Analytic

|                               |    |
|-------------------------------|----|
| AI Intelligent Video Analytic | No |
|-------------------------------|----|

### Encoder (video & audio)

|                   |                   |
|-------------------|-------------------|
| Video Compression | H.265 H.264 MJPEG |
|-------------------|-------------------|

#### Encoder (video & audio)

|                                        |                                                                                                                                                                                                                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Support Resolution                     | H.265 :<br>2592x1944/2560x1440/2304x1296/1920x1080/1280x720/704x480/640x480/352x288/352x240<br>H.264 :<br>2592x1944/2560x1440/2304x1296/1920x1080/1280x720/704x480/640x480/352x288/352x240<br>MJPEG :<br>1920x1080/1280x720/800x600/768x432/704x576/704x480/640x480/352x288/352x240 |
| Intelligent Codec                      | Yes                                                                                                                                                                                                                                                                                 |
| Multiple Profile Streaming Performance | 2592x1944p30 + 480p30 with H.264,H265 + MJPEG                                                                                                                                                                                                                                       |
| Video BitRate                          | Yes                                                                                                                                                                                                                                                                                 |
| Bitrate Control                        | Multi Streaming CBR/VBR at H.265 (Controllable frame rate and Bandwidth)                                                                                                                                                                                                            |
| Video Bitrate extra comment            | Multi-rate for Preview and Recording                                                                                                                                                                                                                                                |
| Audio Compression                      | G.711                                                                                                                                                                                                                                                                               |
| Special Feature                        | Smart AVC (Automatic Voltage Control) Dynamic ROI(Region of Interest)                                                                                                                                                                                                               |

#### I/O & Event

|                    |                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------|
| Audio In / Out     | 1(Mic)/1                                                                                        |
| Alarm In / Out     | 1/1                                                                                             |
| Mic                | Yes                                                                                             |
| Event Trigger      | Motion Alarm Network Disconnection Temperature Critical Illegal Login Schedule Sensor Detection |
| Event Notification | FTP E-Mail Alarm Out SD Card                                                                    |

#### Network

|                                 |                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                        | RJ45 (10/100Base-T)                                                                                                           |
| Protocol                        | TCP/IP, UDP, Auto IP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF |
| Security                        | HTTPS(SSL), IP Filtering, 802.1x, Digest Authentication                                                                       |
| SIP/VoIP Support                | No                                                                                                                            |
| Application Programming I/F     | CGI API ONVIF                                                                                                                 |
| Web viewer                      | Windows® Internet Explorer® Google Chrome®                                                                                    |
| Video management software (VMS) | DW Spectrum® IPVMS                                                                                                            |
| Support languages               | English Korean                                                                                                                |
| Edge storage                    | Micro SD Micro SDHC Micro SDXC                                                                                                |
| SD Card Socket                  | 1                                                                                                                             |

#### Electrical

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Power Requirement | Adaptor is not included DC12V PoE IEEE 802.3af Class3 |
| Power consumption | DC12V Max 7.4WPoE Max 9.1W                            |

| Environmental         |                           |
|-----------------------|---------------------------|
| Operating Temperature | -20°C ~ 50°C              |
| Cold Start            | No                        |
| Operating Humidity    | 10-90% RH(Non-Condensing) |
| Vandal Proof Casing   | IK10                      |
| IP Rating             | IP67                      |
| Other Certification   | FCC CE ROHS               |

| Mechanical             |                      |
|------------------------|----------------------|
| Housing Model          | VD13                 |
| Housing                | Outdoor Dome         |
| Material               | Aluminum-Die Casting |
| Color                  | White                |
| Dimensions (W x D x H) | 125mm<br>92mm        |
| Weight                 | 0.52kg               |

Compatible Accessories

|                                                                                                                             |                                                                                                                    |                                                                                                                          |                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <br><b>BCA3 NP(K)</b><br>Ceiling Bracket | <br><b>GP02</b><br>Gang Bracket | <br><b>BJC03</b><br>Junction Bracket | <br><b>BW10</b><br>Wall Bracket |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|