

## UA-R800F2 8MP H.265 Super Low Lux WDR Pro Deep Learning IR Eyeball Dome IP Camera



- High quality imaging with progressive scan CMOS
- Triple streams from H.265, H.264
- IR distance up to 30 m (100 ft)
- Built-in microphone
- Built-in micro SD card slot, up to 256 GB
- Ingress protection (IP66)
- DC 12V / PoE (IEEE 802.3af)
- P2P function for GV-Eye app
- ONVIF conformant
- Intelligent analytics: Human, Vehicle, Face Detection

### Specifications

| Video                     |       |                                                                        |
|---------------------------|-------|------------------------------------------------------------------------|
| Imaging Device            |       | 1/2.7"                                                                 |
| Picture Elements          |       | 3840 (H) x 2160 (V)                                                    |
| Scanning System           |       | Progressive CMOS                                                       |
| Min. Illumination         | Color | 0.002 Lux at F1.2 (AGC On)                                             |
|                           | B/W   | 0 Lux                                                                  |
|                           | IR On | 0 Lux                                                                  |
| Lens Type                 |       |                                                                        |
| Lens Type                 |       | Fixed                                                                  |
| Focal Length (Zoom Ratio) |       | 2.8 mm                                                                 |
| Maximum Aperture          |       | F/1.6                                                                  |
| Mount                     |       | M12                                                                    |
| Field of View             |       | Horizontal: 110°, Vertical: 58°, Diagonal: 132°                        |
| Operation                 | Focus | Fixed                                                                  |
|                           | Zoom  | Fixed                                                                  |
|                           | Iris  | Fixed                                                                  |
| Operation                 |       |                                                                        |
| IR LED Quantity           |       | 2 IR LEDs                                                              |
| Max. IR Distance          |       | 30 m (100 ft)                                                          |
| Day and Night             |       | IR cut filter with auto switch (Day / Night / Auto / Image / Schedule) |
| Backlight Compensation    |       | Off / on (5 zones)                                                     |
| S/N Ratio                 |       | 36 dB                                                                  |
| WDR Pro                   |       | Yes                                                                    |
| Dynamic Range             |       | Up to 120 dB                                                           |
| Digital Noise Reduction   |       | 3D DNR                                                                 |
| Motion Detection          |       | Off / on (8 levels)                                                    |
| Privacy Masking           |       | Off / on (4 zones)                                                     |
| Gain Control              |       | Auto                                                                   |
| White Balance             |       | Auto / Manual                                                          |
| Electronic Shutter Speed  |       | 1/5 ~ 1/20000 s                                                        |
| Flip / Mirror             |       | Flip / Rotation                                                        |

| Operation                         |               |                                                                                                                                                                                                                                                     |
|-----------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI Analytics                      |               | Line Crossing Detection / Perimeter Intrusion Detection / Stationary Object Detection / Human & Vehicle Detection / Cross Counting / Queue Length Detection / Crowd Density Detection / Heat Map Statistics / Face Detection / Rare Sound Detection |
| Image Setting                     |               | Hue, Bright, Contrast, Saturation, Sharpness, IR-CUT Mode, IR-CUT Delay, IR-LED, Low Beam Light, Angle Trad, Mirror, Backlight, White Balance, Shutter, Time Exposure, Defog, 3D Noise Reduction                                                    |
| Audio Compression                 |               | G.711                                                                                                                                                                                                                                               |
| Audio Support                     |               | One-way audio                                                                                                                                                                                                                                       |
| Hardware Reset                    |               | Yes                                                                                                                                                                                                                                                 |
| Network                           |               |                                                                                                                                                                                                                                                     |
| Ethernet                          |               | RJ45 (10/100 BASE-T)                                                                                                                                                                                                                                |
| Video Compression Format          |               | H.265 / H.264                                                                                                                                                                                                                                       |
| Resolution                        | Main Stream   | 8 MP: 3840 x 2160 (Default)<br>5 MP: 3072 x 1728 / 2592 x 1944<br>4 MP: 2592 x 1520<br>3 MP: 2304 x 1296<br>1080P: 1920 x 1080<br>960P: 1280 x 960<br>720P: 1280 x 720                                                                              |
|                                   | Sub Stream    | 720P: 1280 x 720 (Default)<br>VGA: 640 x 480<br>QVGA: 320 x 240                                                                                                                                                                                     |
|                                   | Mobile Stream | VGA: 640 x 480 (Default)<br>QVGA: 320 x 240                                                                                                                                                                                                         |
| Max. Frame Rate                   |               | 50 Hz: 25 fps at 8 MP / 5 MP / 4 MP / 3 MP / 2 MP / 960P / 720P / VGA / QVGA<br>60 Hz: 30 fps at 8 MP / 5 MP / 4 MP / 3 MP / 2 MP / 960P / 720P / VGA / QVGA                                                                                        |
| Video Quality Adjustment          |               | 256 Kbps ~ 10 Mbps                                                                                                                                                                                                                                  |
| Bitrate Control Method            |               | CBR / VBR                                                                                                                                                                                                                                           |
| Streaming Capability              |               | Triple-Stream (Main / Sub / Mobile)                                                                                                                                                                                                                 |
| IP                                |               | IPv4, IPv6                                                                                                                                                                                                                                          |
| Protocol                          |               | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP                                                                                                                                                                          |
| Security                          |               | -IP address filter<br>-Complicated password<br>-Authenticated username and password                                                                                                                                                                 |
| Streaming Method                  |               | Unicast / Multicast                                                                                                                                                                                                                                 |
| Max. User Account                 |               | Max 7 (Admin + 6 Users)                                                                                                                                                                                                                             |
| Application Programming Interface |               | ONVIF (Profile S / G / T)                                                                                                                                                                                                                           |
| Mechanical                        |               |                                                                                                                                                                                                                                                     |
| Camera Angle Adjustment           | Pan           | 0° ~ 360°                                                                                                                                                                                                                                           |
|                                   | Tilt          | 0° ~ 80°                                                                                                                                                                                                                                            |
|                                   | Rotate        | 0° ~ 360°                                                                                                                                                                                                                                           |
| Connector                         | Power         | DC Jack                                                                                                                                                                                                                                             |
|                                   | Ethernet      | Ethernet (10/100 Base-T), RJ45 cable                                                                                                                                                                                                                |
|                                   | Audio         | 1 in (built-in microphone)                                                                                                                                                                                                                          |
|                                   | Local Storage | Micro SD card slot, up to 256GB (SD / SDHC / SDXC)<br>*Class 10, UHS-I, UHS-II card type is not supported.                                                                                                                                          |
| General                           |               |                                                                                                                                                                                                                                                     |
| Operating Temperature / Humidity  |               | -30 ~ 55°C (-22°F ~ 131°F) / less than ≤ 95% RH                                                                                                                                                                                                     |
| Storage Temperature / Humidity    |               | -30 ~ 60°C (-22°F ~ 140°F) / less than ≤ 95% RH                                                                                                                                                                                                     |
| Power Source                      |               | 12V DC, 1A / PoE (IEEE 802.3af)                                                                                                                                                                                                                     |
| Max. Power Consumption            |               | 5.5 W                                                                                                                                                                                                                                               |

| General                 |                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color / Material        | White / Metal                                                                                                                                                                                                                                                       |
| Dimensions (Ø x H)      | Ø100 x 90 mm (Ø3.9" x 3.5")                                                                                                                                                                                                                                         |
| Weight                  | 420 g (0.93 lb)                                                                                                                                                                                                                                                     |
| Ingress Protection      | IP66                                                                                                                                                                                                                                                                |
| Certification           | FCC and RoHS compliant                                                                                                                                                                                                                                              |
| Web Interface           |                                                                                                                                                                                                                                                                     |
| Installation Management | Web-based configuration                                                                                                                                                                                                                                             |
| Maintenance             | Firmware upgrade through Web Browser or Utility                                                                                                                                                                                                                     |
| Access from Web Browser | Live View, Change Stream, AI Alarm Play, Color, Stop, Original Proportions, Stretch, Full Screen, Record, Capture, Digital Zoom, Audio, Pixel Counter                                                                                                               |
| Language                | English / German / Spanish / French / Japanese / Italian / Portuguese / Russian / Turkish                                                                                                                                                                           |
| Application             |                                                                                                                                                                                                                                                                     |
| Software Supported      | GV-VMS (V18.3.1 / 17.4.5 *3 <sup>rd</sup> -party license required for SW connection)<br>GV-Control Center (V4.1.0)<br>GV-Recording Server (V2.1.0 *3 <sup>rd</sup> -party license required for SW connection)<br>GV-Edge Recording Manager Windows Version (V2.2.0) |
| Smart Device Access     | GV-Eye for iOS and Android (V2.9.1)                                                                                                                                                                                                                                 |
| Live Viewing            | IE10 / 11<br>Safari V12.1 or later<br>Firefox V52 or later<br>Google chrome V57 or later<br>Edge V79 or later                                                                                                                                                       |

**Note:** Specifications are subject to change without notice.

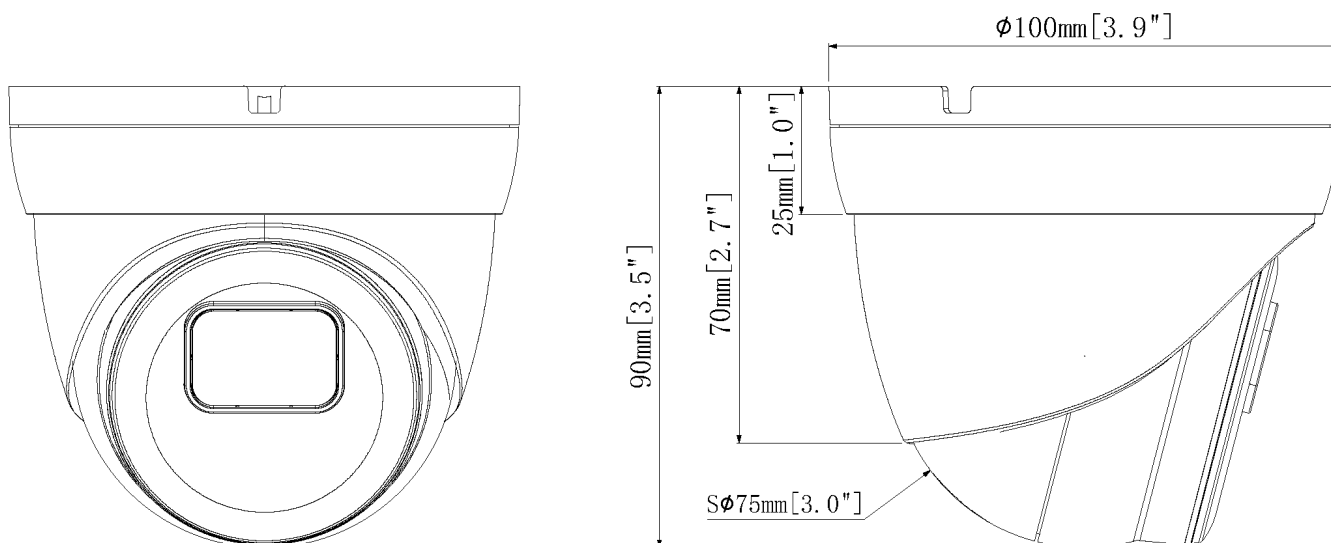
## USA Vision Products Supported

- Standalone Network Video Recorder: UA-SNVRL810-P, UA-SNVR1620-P, UA-SNVR3240-N

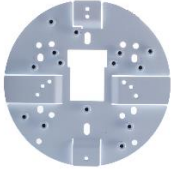
## Packing List

- UA-R800F2
- Waterproof Rubber Set
- Screw Kit
- Drill Template Paster
- Download Guide

## Dimensions



## Accessories

| Model No.     | Name                              |                                                                                   | Details                                                                                                                                                                                         |
|---------------|-----------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GV-Mount215-1 | Wall Mount Bracket                |  | <p>Dimensions: 155 mm x 75 mm x 132 mm<br/>(6.1" x 2.95" x 5.2")</p> <p>Weight: 0.62 kg (1.37 lb)</p>                                                                                           |
| UA-Mount505   | Wall Box Mount                    |  | <p>Dimensions: Ø 100.5 mm x 56 mm (Ø 3.96" x 2.2")</p> <p>Weight: 0.46 kg (1.01 lb)</p>                                                                                                         |
| UA-Mount922   | Power Box Mount Bracket           |  | <p>Dimensions: Ø 148.00 mm (Ø 5.83")</p> <p>Weight: 180 g (0.4 lb)</p>                                                                                                                          |
| GV-PA191      | Power over Ethernet (PoE) Adapter |  | <p>GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.</p>                                                              |
| GV-POE Switch |                                   |                                                                                   | <p>The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.</p> |
| Power Adapter |                                   |                                                                                   | <p>Contact our sales representatives for the countries and areas supported.</p>                                                                                                                 |