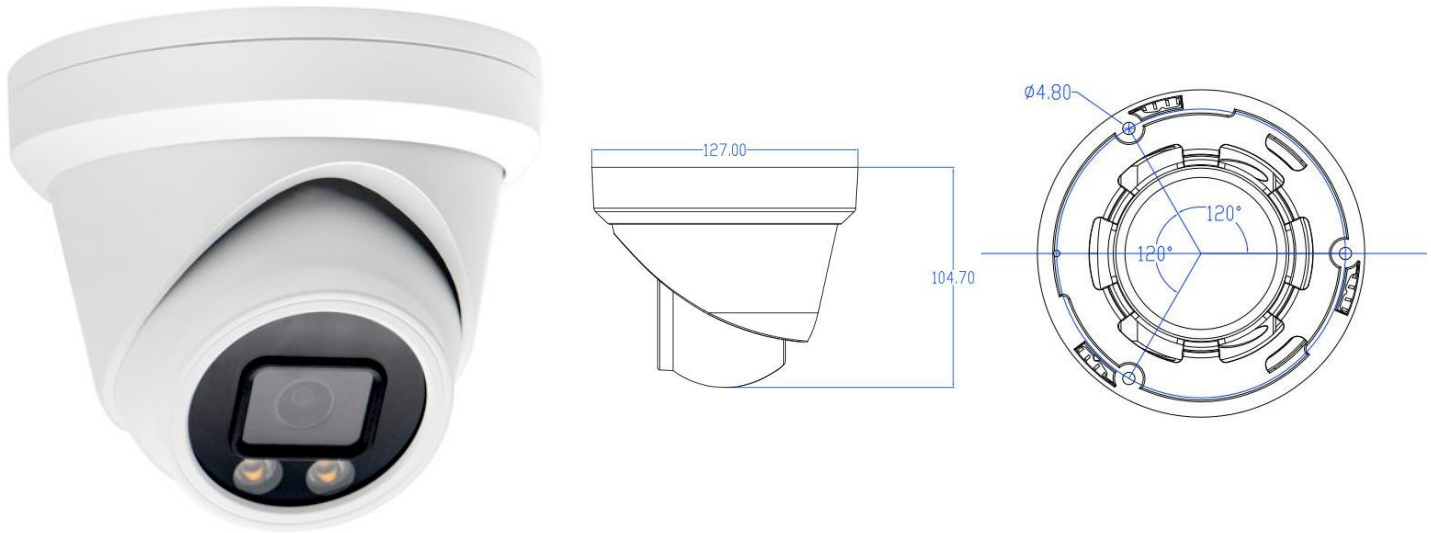


# 8MP PoE Full Color Vision Camera

**Model:** HK-UNV-D822-LED-(A)



## Key Features



8MP, 1/2.7" CMOS sensor

8MP resolution 3840\*2160@20fps Smart encoding

H.265, H.264 Smart Encoding

Smart Human body detection

Extra-ISP technology ensures high image quality in low illumination environment

120dB true WDR technology enables clear image in strong light scene

Support 9:16 Corridor Mode , Rotation 90°, ROI, Watermark

2D/3D-DNR, Slow Shutter, light control, White Balance, Defog

Built-in Mic optional, support Audio abnormal Detection

2PCS Soft & Warm Supplemental Light,Light distance up to 30m (98ft)

IP67 protection, 3-Axis

## Specifications

|                         |  |                |                   |
|-------------------------|--|----------------|-------------------|
| Model                   | HK-UNV-D822-LED-(A)  |                |                   |
| <b>Camera</b>           |  |                |                   |
| Sensor                  | 1/2.7", 8.0 megapixel, SmartSens SC8238 CMOS   |                |                   |
| Soc processor           | SigmaStar SSC338G, A7 1.2GHz, embedded 2Gb DDR3  |                |                   |
| Lens                    | 2.8mm@F1.0 true starlight lens   |                |                   |
| Angle of view (H)       | 105.3°   |                |                   |
| Angle of View (V)       | 69.5°  |                |                   |
| Angle of View (O)       | 136.9°   |                |                   |
| Adjustment angle        | Pan: 0° ~ 360°   | Tilt: 0° ~ 90° | Rotate: 0° ~ 360° |
| Shutter                 | Auto/Manual, 1 ~ 1/100000s   |                |                   |
| Min. Illumination       | Color: 0.001Lux (F2.0, AGC ON)<br>0Lux with IR   |                |                   |
| WDR                     | 2-Exposure optical WDR up to 120DB   |                |                   |
| Day/Night               | IR-cut filter with auto switch (ICR)   |                |                   |
| S/N                     | >52dB  |                |                   |
| Color Vision Range      | Up to 30m (98ft) IR range  |                |                   |
| Wavelength              | 850nm  |                |                   |
| IR On/Off Control       | Auto/Manual, Led can be turned off   |                |                   |
| Defog                   | Digital Defog  |                |                   |
| <b>Video</b>            |  |                |                   |
| Max. Resolution         | 2880 x 1620  |                |                   |
| Video Compression       | H.265, H.264 Smart Encoding  |                |                   |
| H.264 code profile      | Baseline profile, Main Profile   |                |                   |
| Frame Rate              | Main Stream: 20fps@8MP(3840x2160),25fps@5MP(2880x1620)/4MP(2560x1440)/ 3MP(2304x1296) , 30fps@1080P<br>Sub stream: 30fps@720P/D1/640x360/CIF<br>Third stream: 30fps@D1/(640x360)/CIF |                |                   |
| Video Bit Rate          | 128 Kbps~6 Mbps  |                |                   |
| OSD                     | Up to 8 OSDs   |                |                   |
| Privacy Mask            | Up to 4 areas  |                |                   |
| ROI                     | Up to 8 areas  |                |                   |
| Motion Detection        | Up to 22 x 18 cells  |                |                   |
| <b>Audio</b>            |  |                |                   |
| Built-in Mic            | Optional   |                |                   |
| With Speaker            | None   |                |                   |
| Encored Type            | G711a, G711u   |                |                   |
| <b>Image</b>            |  |                |                   |
| White Balance           | Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2  |                |                   |
| Digital noise reduction | 2D/3D DNR  |                |                   |
| Smart IR                | Support  |                |                   |
| Flip                    | Normal/Vertical/Horizontal/180°,90°  |                |                   |
| Low Shutter             | Support  |                |                   |
| Smart Illumination      | Support Auto / Manual, Led ON/OFF control  |                |                   |

# CAMERA DATA SHEET

|                        |  |
|------------------------|--|
| BLC                    | Support  |
| <b>Smart</b>           |  |
| Behavior Analysis      | None   |
| Target Detection       | Human Body Detection   |
| Detection Distance     | 15 m   |
| <b>Network</b>         |  |
| Protocols              | IPv4, IPv6, P2P, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, PPPoE, SMTP, SSL, TLS |
| Compatible Integration | ONVIF 17.12 (Profile S, Profile T), SDK  |
| Client Software        | Guard Station -- (PC)<br>Guard Viewer -- (Mobile APP)<br>Guard Tool -- (IP tool)   |
| Web Browser            | Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below  |
|                        | Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+  |
| <b>Interface</b>       |  |
| Network                | 10/100M Base-TX Ethernet   |
| <b>General</b>         |  |
| Power                  | DC 12V±25%, PoE (IEEE 802.3af)   |
|                        | Power consumption: Max 8W  |
| Dimensions (Ø x H)     | Φ127 x 104mm (Φ5" x 4.1")  |
| Net Weight             | 0.45kg (0.99lb)  |
| Material               | Metal + Plastic  |
| Working Environment    | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)   |
| Storage Environment    | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)   |
| lightning Protection   | 4KV  |
| Ingress Protection     | IP67   |