

## 8MP 4 CHANNEL IP KIT



The KIT4OVIP8MP-AI-1T is a complete AI-powered surveillance solution designed for reliable protection in residential and small commercial environments. It includes 4× TEBFDAIP8MP28-AI-L IP Eyeball Cameras and 1× GSD-NVROV6K-04-N Network Video Recorder, delivering crisp 8MP video with intelligent AI analytics. A 1TB WD Purple surveillance-grade hard drive comes pre-installed and ready to record.

Each camera features a 2.8 mm wide-angle lens, 20 m infrared night vision, built-in microphone, and IP67 weather protection for dependable indoor and outdoor performance.

The included AI NVR supports 4K HDMI output, up to 20TB of storage, P2P mobile access, ONVIF Profile S/G/T compatibility, and advanced AI functions including human & vehicle detection, license plate detection, facial recognition, line crossing, and perimeter intrusion detection, providing proactive monitoring and simplified security management.

**8MP**  
RESOLUTION



8MP  
Resolution

2.8MM  
Lens



IR Up to  
20M



Built-in  
Microphone

**8MP**  
RESOLUTION

Up to 8MP  
Resolution



1HDD included up  
to 1TB

**Onvif**

ONVIF Compliant  
(S/G/T)



1080P VGA  
Output

**4K**

4K HDMI  
Output



P2P Mobile  
Connection



4 PoE  
Ports



ONVIF  
Encoder

**VIDEO**

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Imaging Device        | 1/2.7" Progressive CMOS                                           |
| Effective Pixels      | 8MP 3840×2160                                                     |
| Min. Illumination     | Color 0.009 lux @ F1.6 (AGC on); B/W 0 lux (IR on)                |
| Resolution            | 8MP 3840×2160                                                     |
| Frame Rate            | 3mp: 30; 4mp: 30; 5mp: 30; 8mp: 30; 720p: 30; 960p: 30; 1080p: 30 |
| Focal Length          | 2.8 mm                                                            |
| Max Aperture Ratio    | F1.6                                                              |
| Angular Field of View | H 110° / V 58° / D 132°                                           |
| Min. Object Distance  | 1.8 m                                                             |
| Lens Type             | Fixed (M12)                                                       |

**NETWORK**

|                  |                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------|
| Compression      | H.265/H.264                                                                                                      |
| Bitrate Control  | CBR/VBR                                                                                                          |
| Bitrate Range    | 256 Kbps – 16 Mbps                                                                                               |
| Main Stream      | 8MP(3840x2160), 5MP(2880x1620), 4MP(2592x1520), 3MP(2304x1296), 1080P(1920x1080), 960P(1280x960), 720P(1280x720) |
| Sub Stream       | 720P(1280x720)                                                                                                   |
| Protocols        | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP                                       |
| Ethernet         | 1× RJ45 (10/100BASE-T)                                                                                           |
| ONVIF            | Profile S/G/T/M                                                                                                  |
| On-board Storage | Micro SD, up to 1TB                                                                                              |

**OPERATIONAL**

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
| Audio                    | Built-in microphone                                            |
| IR Distance              | 20 m                                                           |
| Day & Night              | IR cut filter with auto switch (Day/Night/Auto/Image/Schedule) |
| Backlight Compensation   | Off/On (5 Zones)                                               |
| Wide Dynamic Range       | WDR                                                            |
| Digital Noise Reduction  | 3D DNR                                                         |
| Gain Control             | Auto                                                           |
| White Balance            | Auto/Manual                                                    |
| Electronic Shutter Speed | 1/5 – 1/20000 s                                                |
| Motion Detection         | Off/On (8 Levels)                                              |
| Privacy Masking          | Off/On (4 Zones, Rectangle)                                    |

**GENERAL**

|                                 |                                  |
|---------------------------------|----------------------------------|
| Operating Temperature/ Humidity | -35°C to +60°C / ≤ 95% RH        |
| Ingress Protection              | IP67                             |
| Input Voltage/ Current          | DC12V / PoE (IEEE802.3af)        |
| Power Consumption               | 2W-3W (IR off) / 4W-5.5W (IR on) |
| Color/Material                  | White / Metal (White)            |
| Dimension (WXHXD)               | Ø100×90 mm                       |
| Weight                          | 420 g                            |

## RECORDING BANDWIDTH

|                     |                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------|
| Incoming Bandwidth  | 50 Mbps                                                                                                  |
| Outgoing Bandwidth  | 64 Mbps                                                                                                  |
| Video Input         | 4CH IP                                                                                                   |
| Decoding Capability | 1ch 4K(main stream), if more than 1 4K camera are connected, it will be switched to sub stream. Playback |

## PERFORMANCE

|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Installation Wizard | Yes                                                                                |
| Compression         | Audio: G.711a<br>Video: H.265+/H.265/H.264+/H.264                                  |
| Display Resolution  | 12MP                                                                               |
| Speed               | 4k: 30; 2mp: 120; 4mp: 62                                                          |
| Event               | MD (Sensitivity Level 1~8) Video loss Beep, Email, Push notification to Mobile APP |
| Playback Function   | Fast forward / backward (2x, 4x, 8x,16X) Slow forward (1/2x, 1/4x, 1/8x,1/16x)     |
| Playback            | 30fps 4MP                                                                          |
| Playback Channels   | 4                                                                                  |

## AI FUNCTIONS INSTANT NOTIFICATIONS

|                          |                               |                        |        |
|--------------------------|-------------------------------|------------------------|--------|
| Rare Sound Detection     | Perimeter Intrusion Detection |                        |        |
| Face Detection           | Stationary Object Detection   |                        |        |
| Crowd Density Detection  | Human&Vehicle Detection       |                        |        |
| Line Crossing Detection  | Queue Lenght Detection        |                        |        |
| Heat Map                 | Cross Counting                |                        |        |
| License Plate Detection  |                               |                        |        |
| AI MAX CAPTURED QUANTITY | 200,000                       | AI REGISTERED QUANTITY | 10,000 |

*\*THESE AI FEATURES ONLY WORK WITH IP CAMERAS, OR ANALOG CAMERAS WITH 2MP OR MORE*

## UI/MONITORING

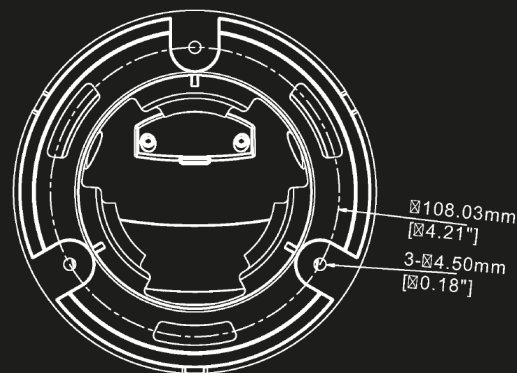
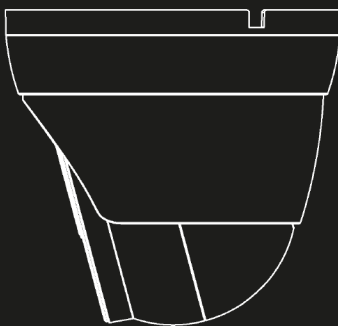
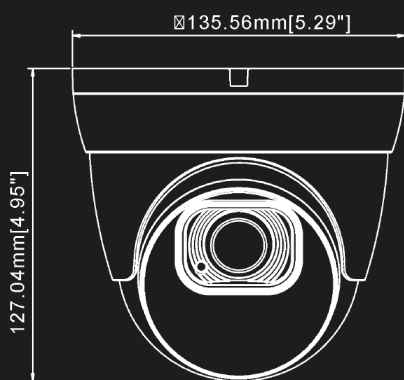
|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Local             | UI5.0                                                     |
| Web               | IE 10/11, Chrome 57+, Firefox 52+, Safari 12.1+, Edge 79+ |
| Mobile Viewer     | OV CONNECT                                                |
| Push Notification | Yes                                                       |
| P/W Reset         | Factory Reset: Press 10 seconds                           |
| VGA               | 1                                                         |
| HDMI              | 1                                                         |
| Ethernet          | 1× RJ45 (10/100BASE-T)                                    |
| PoE               | 4 ports, 802.3at/af, 50W                                  |
| USB               | USB2.0*1(front) USB2.0*1+(rear)                           |
| Audio             | In: No / Out: 1                                           |
| E-SATA            | No                                                        |
| HDD               | The recorder can support up to 20TB<br>1TB HDD Included   |
| RS485             | No                                                        |

## GENERAL

|                                         |                         |
|-----------------------------------------|-------------------------|
| OSD Language                            | EN/FR/ES/DN/TC/IN/JP/KR |
| Dimension (WDXH)                        | 300×208.7×52.5 mm       |
| Input Voltage/Current                   | DC48V/1.2A   PoE Swith  |
| Power Consumption (Excluding Hard Disk) | 4 W                     |
| Operating Temperature/ Humidity         | 0°C to +40°C            |

## DIMENSIONS

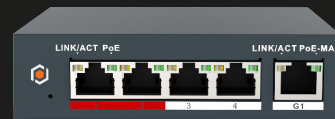
Length: 227 mm | Width: 300 mm | Height: 53 mm



## COMPATIBLE ACCESSORIES



SWC5POE-GIGA  
POE SWITCH



SWC5POE-MAN  
POE SWITCH



WD PURPLE PRO  
UP TO 1TB HARD DRIVE



WD PURPLE PRO  
UP TO 2TB HARD DRIVE



WD PURPLE PRO  
UP TO 4TB HARD DRIVE

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NDAA COMPLIANT

### CONNECTION & INTERFACES



HS CODE



UPC CODE



ONVIF COMPLIANT



4K HDMI Output

DOWNLOAD THE OV CONNECT APP



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