

# 5MP 12 CHANNEL IP KIT



The KIT12OVIP5MP-AI-B is a complete AI-powered surveillance solution designed for reliable protection in residential and small commercial environments. It includes 12× TEBFDAIP5MP28-AI-L-B IP Eyeball Cameras and 1× GSD-NVROV6K-16-N Network Video Recorder, delivering crisp 5MP video with intelligent AI analytics.

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 40TB 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.

**5MP**  
RESOLUTION

5MP  
Resolution



2.8MM  
Lens

**8MP**  
RESOLUTION

Up to 8MP  
Resolution

**Onvif**

ONVIF Compliant  
(S/G/T)

**4K**

4K HDMI  
Output



16 PoE  
Ports



IR Up to  
20M



Built-in  
Microphone



2HDD slot up to  
40TB



1080P VGA  
Output



P2P Mobile  
Connection



ONVIF  
Encoder

## VIDEO

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| Imaging Device        | 1/2.7" Progressive CMOS                            |
| Effective Pixels      | 5MP 2880×1620                                      |
| Min. Illumination     | Color 0.004 lux @ F1.6 (AGC on); B/W 0 lux (IR on) |
| Resolution            | 5MP 2880×1620                                      |
| Frame Rate            | 3mp: 30; 4mp: 30; 5mp: 30; 720p: 30; 1080p: 30     |
| Focal Length          | 2.8 mm                                             |
| Max Aperture Ratio    | F1.6                                               |
| Angular Field of View | H 110° / V 58° / D 133°                            |
| Min. Object Distance  | 1.8 m                                              |
| Lens Type             | Fixed (M12)                                        |

## NETWORK

|                  |                                                                                  |
|------------------|----------------------------------------------------------------------------------|
| Compression      | H.265/H.264                                                                      |
| Bitrate Control  | CBR/VBR                                                                          |
| Bitrate Range    | 256 Kbps – 8 Mbps                                                                |
| Main Stream      | 5MP(2880x1620), 4MP(2592x1520), 3MP(2304x1296), 1080P(1920x1080), 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 +65°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                  | Black / Metal (Black)            |
| Dimension (WXHxD)               | Ø100×90 mm                       |
| Weight                          | 415 g                            |

## RECORDING BANDWIDTH

**Video Input** 16CH IP

## PERFORMANCE

**Compression** Audio: G.711a  
Video:

**Display Resolution** 8MP (30fps)

**Playback Function** 480fps Max 16CH

## 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 Length 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

**Web** IE 10/11, Chrome 57+, Firefox 52+, Safari 12.1+, Edge 79+

**Mobile Viewer** OV CONNECT

**P/W Reset** Factory Reset: Yes

**VGA** 1

**HDMI** 1

**Ethernet** 2× RJ45 (100/1000BASE-T)

**PoE** 16 ports, 802.3at/af

**USB** USB2.0\*1(front) USB3.0\*1+USB2.0\*1(rear)

**E-SATA** 1

**HDD** 2 SATA HDDs, up to 20TB each HDD

**RS485** 1

## GENERAL

**OSD Language** English, French, Spanish, Portuguese, German, Italian, Greek, Danish, Finnish/ Russian, Hebrew, Turkish, Bulgarian, Arabic, Korean, Japanese, Thai, Hindi/ Romanian, Dutch, Polish, Persian, Hungarian, Chinese, Ukrainian

**Dimension (W×D×H)** 378×317×50 mm

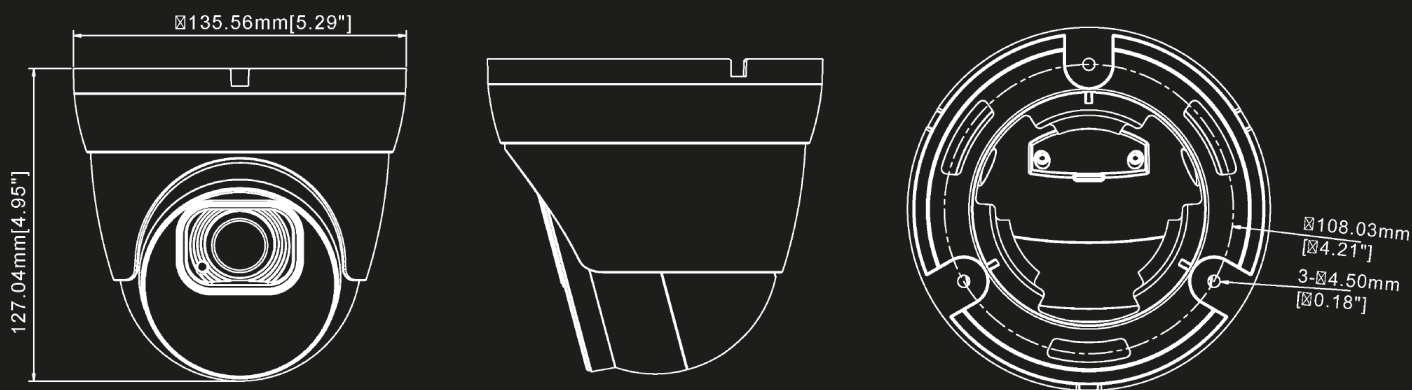
**Input Voltage/Current** ATX 280W

**Power Consumption (Excluding Hard Disk)** 12 W

**Operating Temperature/ Humidity** -10°C to +50°C

## DIMENSIONS

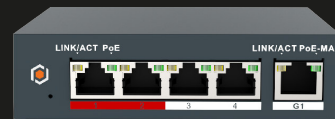
Length: 317 mm | Width: 378 mm | Height: 50 mm



## COMPATIBLE ACCESSORIES



**SWC5POE-GIGA**  
POE SWITCH



**SWC5POE-MAN**  
POE SWITCH



**WD PURPLE PRO**  
UP TO 4TB HARD DRIVE



**WD PURPLE PRO**  
UP TO 8TB HARD DRIVE



**WD PURPLE PRO**  
2× 8TB HARD DRIVES

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### CONNECTION & INTERFACES



HS CODE



UPC CODE



ONVIF COMPLIANT



4K HDMI Output

DOWNLOAD THE OV CONNECT APP



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