

# 4MP 16 CHANNEL X SERIES IP KIT

ONVIF® | G S T | NDA Compliant | N



The **XKIT120VIP4MP-AI-E** is a powerful and intelligent surveillance solution designed for maximum security and ease of installation. It includes 12× XEBFATVIP4MP28-AI-E cameras and 1× GSD-NVROV6K-16-N network video recorder, ideal for residential and commercial applications.

The cameras deliver clear 4MP video with full-color imaging even in complete darkness. Equipped with active deterrence features such as blue and red lights and a built-in siren, they help prevent intrusions. A built-in microphone and speaker allow for custom voice messages and real-time interaction.

The GSD-NVROV6K-16-N NVR supports up to 12MP recording with 4K HDMI output. Featuring 16 PoE ports with E-PoE, it enables quick and easy installation. With ONVIF compatibility, P2P remote access, and support for up to 20TB storage, it ensures reliable performance.

This kit is also available in black - XKIT120VIP4MP-AI-E-B

**4MP**  
RESOLUTION



4MP  
Resolution

2.8MM  
Lens

Two-way  
Communication

**12MP**  
RESOLUTION

Up to 12MP  
Resolution

ONVIF

ONVIF Compliant  
(G/S/T)

**4K**

4K HDMI Output



Rackmount  
Compatible



IR Up to 25M



See in color at  
night



Deterrence Lights  
& Siren



2HDD slot up to  
20TB



1080P VGA  
Output



P2P Connection



ONVIF Encoder



# X SERIES NETWORK CAMERA

MODEL #

# 12X XE3FATVIP4MP28-AI-E

## VIDEO

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Imaging Device    | 1/3"                                                 |
| Effective Pixels  | 4MP 2560(H)×1440 (V)                                 |
| Scanning System   | Progressive CMOS                                     |
| Min. Illumination | Color 0.002 Lux @ (F1.0, AGC ON) ; B/W 0 lux @ IR ON |

## LENS

|                           |                                              |
|---------------------------|----------------------------------------------|
| Focal Length (Zoom Ratio) | 2.8 mm                                       |
| Max Aperture Ratio        | F No. 1.0                                    |
| Angular Field Of View     | Horizontal:95°, Vertical:51°, Diagonal: 112° |
| Min. Object Distance      | 2m                                           |
| Lens Type                 | Fixed (M12)                                  |

## OPERATIONAL

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| IR LED                      | 1                                                                                                                      |
| Warmlight                   | 2                                                                                                                      |
| Red and Blue Light          | 2 (1 Red & 1 Blue)                                                                                                     |
| IR Viewable Length          | Up to 25 m                                                                                                             |
| Warmlight Viewable Length   | Up to 20m                                                                                                              |
| Type of Complementary Light | Default warm light, switchable infrared light                                                                          |
| Wide Dynamic Range          | DWDR                                                                                                                   |
| Digital Noise Reduction     | 3D DNR                                                                                                                 |
| Motion Detection            | Off/On (8 Level)                                                                                                       |
| Image Setting               | Full Color Mode/Day&Night Mode/Smart Illumination                                                                      |
| White Balance               | Auto/Manual                                                                                                            |
| Electronic Shutter Speed    | 1/5 ~ 1/20000s                                                                                                         |
| On-Board Storage            | Micro SD slot, up to 1TB                                                                                               |
| Alarm                       | Speaker, siren                                                                                                         |
| Audio                       | Built-in microphone & Speaker                                                                                          |
| Hardware Reset              | Yes                                                                                                                    |
| Smart Features              | Perimeter Intrusion Detection (PID), Line Crossing Detection (LCD), Intrusion Detection (ID), Region Entry and Exiting |

## NETWORK

|                                   |                                                                                                                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                          | RJ45(10/100BASE-T)                                                                                                                                                                                                              |
| Video Compression Format          | H.265/H.264/H.265+/H.264+/MJPEG                                                                                                                                                                                                 |
| Resolution                        | <b>Main Stream @30fps:</b><br>4MP(2688x1520),3MP(2304x1296),<br>1080P(1920x1080)<br><b>Sub Stream @30fps:</b><br>1080P(1920x1080),720P(1280x720),<br>VGA(640x480)<br><b>Mobile Stream @30fps:</b> VGA(640x480),<br>QVG(320x240) |
| Video Quality Adjustment          | 256Kbps ~ 8Mbps                                                                                                                                                                                                                 |
| Bitrate Control Method            | CBR/VBR                                                                                                                                                                                                                         |
| IP                                | IPv6                                                                                                                                                                                                                            |
| Protocol                          | TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,<br>SMTP,NTP,UPnP,SNMP,HTTPS,FTP                                                                                                                                                             |
| Security                          | IP address filter;complicated password;<br>Authenticated username and password                                                                                                                                                  |
| Application Programming Interface | ONVIF( Profile G/M/S/T)                                                                                                                                                                                                         |
| Compatible Web Browsers           | IE10/11, Safari V12.1/above, Firefox V.52/<br>above, Google chrome V.57/above, Edge V.79/<br>above                                                                                                                              |

## GENERAL

|                         |                                      |
|-------------------------|--------------------------------------|
| Operating Conditions    | -35°+60°C/ Less than ≤ 95% RH        |
| Ingress Protection      | IP67                                 |
| Input Voltage / Current | D12V/POE (IEEE802.3af)               |
| Power Consumption       | DC12V; max 6.2 W; POE(48V): max 7.5W |
| Color/Material          | White/Metal                          |
| Dimension (LXHP)        | 100*100*90mm                         |
| Weight                  | 320g                                 |





RECORDING BANDWIDTH

|            |                                 |
|------------|---------------------------------|
| Resolution | 12MP/8MP/5MP/4MP/3MP/1080p/720p |
| Input      | 320M                            |
| Output     | 320M                            |

PERFORMANCE

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Recording Compression | Audio: G.711A,G.711U<br>Video: H.264/H.265/H.264+/H.265+ |
| Speed                 | 12MP: 30fps 8MP: 120fps 4MP: 240fps 2MP: 480fps          |
| Playback              | 1080P: 480fps Max 16CH                                   |

Network

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Remote Connection | Up to 640 Users                                                                            |
| WEB               | IE10/11, Safari V12.1 above, Firefox V.52 above, Google chrome V.57 above, Edge V.79 above |
| Protocols         | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SMTP, SNMP, UPnP, HTTP, HTTPS              |
| API               | Onvif (profile G/S/T)                                                                      |
| Voice command     | Home Device: Google Assistant, Amazon Alexa                                                |

AI FEATURES INSTANT NOTIFICATIONS

|                               |                             |                        |        |
|-------------------------------|-----------------------------|------------------------|--------|
| Human Detection               | Region Entrance             |                        |        |
| Vehicle Detection             | Region Exiting              |                        |        |
| Perimeter Intrusion Detection | Rare Sound Detection        |                        |        |
| Line Crossing Detection       | Stationary Object Detection |                        |        |
| License Plate Detection       | Crowd Density Detection     |                        |        |
| Facial Recognition            | Heat Map                    |                        |        |
| Intrusion Detection           | Noise Detection             |                        |        |
| Cross-Counting                | Video Tampering             |                        |        |
| Fall Detection                | Multi Target Type Detection |                        |        |
| Vehicle/Human Attributes      | Temperature Measurement     |                        |        |
| Fire & Smoke Detection        | Face Masking                |                        |        |
| AI MAX CAPTURED QUANTITY      | 200,000                     | AI REGISTERED QUANTITY | 10,000 |

INTERFACE

|                    |                                                                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P/W Reset          | Yes                                                                                                                                                                                |
| VGA                | 1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)                                                                                                                              |
| HDMI               | 1(1024*768, 1280*720, 1280*1024, 1440*900, 1600*1200, 1920*1080, 1920*1200, 2560*1440(2K), 3840*2160 (4K))/EDID<br>1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080) Async out |
| Ethernet           | 2 RJ45 100/1000 Base-T                                                                                                                                                             |
| PoE                | 16*RJ45, 100 Base-T 802.3at/af                                                                                                                                                     |
| USB                | USB2.0*1(front) USB3.0*1+USB2.0*1(rear)                                                                                                                                            |
| Audio Out          | 1 in / 1 out                                                                                                                                                                       |
| E-SATA             | 1                                                                                                                                                                                  |
| HDD                | 2, each up to 20TB each                                                                                                                                                            |
| RS485              | 1                                                                                                                                                                                  |
| Alarm Input/Output | 16 in / 4 out                                                                                                                                                                      |

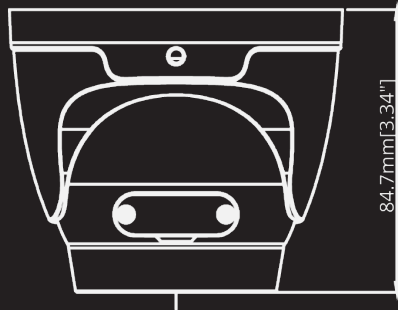
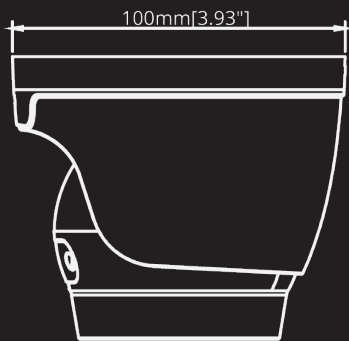
GENERAL

|                                         |                                                                                                                                                                                                         |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 (WxDxH)                       | 378*317*50mm                                                                                                                                                                                            |
| Weight                                  | 2975g                                                                                                                                                                                                   |
| Input Voltage/Current                   | ATX 280W                                                                                                                                                                                                |
| Power consumption (excluding hard disk) | 12W                                                                                                                                                                                                     |
| Operating Temperature/ Humidity         | Temperature: -10°C~+50°C (14°F ~ 122°F)<br>Humidity: Less than 90%RH                                                                                                                                    |
| FCC/CE                                  | Yes                                                                                                                                                                                                     |
| Rackmount Compatible                    | Yes                                                                                                                                                                                                     |



## DIMENSIONS

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



## COMPATIBLE HARD DRIVES



**WD-HDDPURPLE-4T**  
UP TO 4TB HARD DRIVE



**WD-HDDPURPLE-8T**  
UP TO 8TB PRO HARD DRIVE



**WD-HDDGOLD-16T**  
UP TO 16TB PRO HARD DRIVE