

5MP 4 CHANNEL IP KIT



The KIT4OVIP5MP-AI-B is a complete AI-powered surveillance solution designed for reliable protection in residential and small commercial environments. It includes 4× TEBFDAIP5MP28-AI-L-B IP Eyeball Cameras and 1× GSD-NVROV6K-04-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 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.

5MP
RESOLUTION

5MP
Resolution



2.8MM
Lens

8MP
RESOLUTION

Up to 8MP
Resolution

ONVIF

ONVIF Compliant
(S/G/T)

4K

4K HDMI
Output



4 PoE
Ports



IR Up to
20M



Built-in
Microphone



1HDD slot up to
20TB



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

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 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

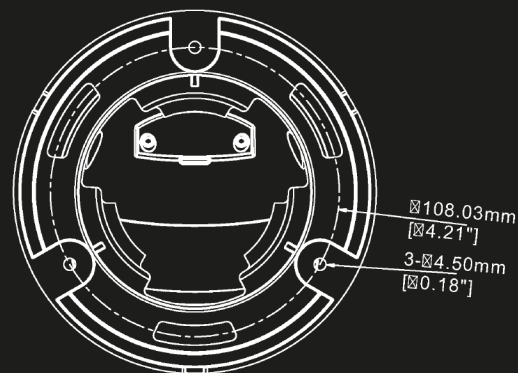
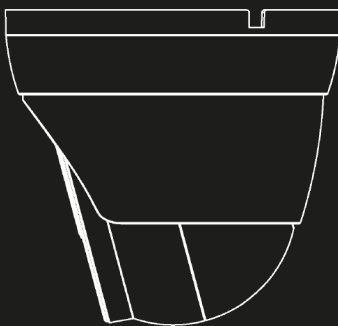
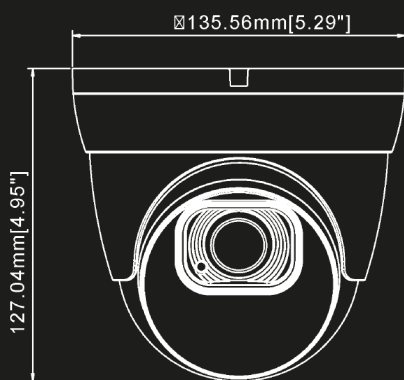
Local	UI5.0
Web	IE 10/11, Chrome 57+, Firefox 52+, Safari 12.1+, Edge 79+
Mobile Viewer	OV CONNECT
Push Notification	Yes
P/W Reset	Factory Reset: Press 10 seconds
VGA	1
HDMI	1
Ethernet	1× RJ45 (10/100BASE-T)
PoE	4 ports, 802.3at/af, 50W
USB	USB2.0*1(front) USB2.0*1+(rear)
Audio	In: No / Out: 1
E-SATA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

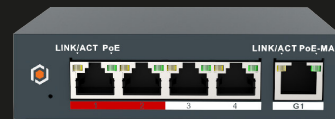
Length: 227 mm | Width: 300 mm | Height: 53 mm



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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4K HDMI Output

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