

8MP 12 CHANNEL ANALOG KIT



The KIT12AIO8MP-AI is a complete AI-powered surveillance solution designed for reliable protection in residential and small commercial environments. It includes 12× TEBF28AIO-8MP HD Analog Eyeball Cameras and 1× GSD-DVRFNC4K-16-N-AI Digital Video Recorder, delivering crisp 8MP video with intelligent AI analytics.

Each camera features a 2.8 mm wide-angle lens, 20 m infrared night vision, built-in microphone, and IP66 weather protection for dependable indoor and outdoor performance.

The included AI DVR supports 4K HDMI output, up to 36TB 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

8MP
 RESOLUTION

 Up to 8MP
 Resolution

Onvif

 ONVIF Compliant
 (S/G/T)

4K

 4K HDMI
 Output

 Alarm 16
 In / 1 Out

 IR Up to
 20M

 Built-in
 Microphone

 2HDD slot up to
 36TB

 1080P VGA
 Output

 P2P Mobile
 Connection

 ONVIF
 Encoder

VIDEO

Imaging Device	1/2.7" Progressive CMOS
Total Pixels	3872 (H) × 2180 (V)
Effective Pixels	3840×2160
Scanning System	Progressive scan CMOS
Min. Illumination	Color 0.06 lux @ F1.6 (AGC on); B/W 0 lux (IR on)
Video Output	BNC
Resolution	8MP 3840×2160
Max. Framerate	8MP@15fps (AHD/TVI/CVI)
Focal Length (Zoom Ratio)	2.8 mm
Max Aperture Ratio	F2.0
Angular Field of View	H 102° / V 54.7° / D 124.4°
Min. Object Distance	0.8 m
Lens Type	Fixed

LAWS AND REGULATIONS

Safety	CE LVD
EMC	CE EMC, FCC
ROHS	RoHS2.0

OPERATIONAL

Audio	Audio over coaxial
Audio Range	7 m
IR Distance	20 m
On Screen Display	English
Day & Night	Ext / Color / B/W
Backlight Compensation	GLOBAL / BLC
Wide Dynamic Range	N/A
Digital Noise Reduction	2D DNR
Gain Control	Auto
White Balance	ATW
Electronic Shutter Speed	Auto
Reverse	Mirror
Remote Control Interface	ACP (AHD Coax Protocol)
Video Transmission Distance	300 m (RG-6)
Analog Signal Types	TVI, CVI, AHD, 960H

GENERAL

Operating Temperature/ Humidity	-30°C to +55°C / ≤ 90% RH
Ingress Protection	IP66
Input Voltage/ Current	DC12V
Power Consumption	≤ 1 W (IR off) / ≤ 4 W (IR on)
Color/Material	White / Metal
Dimension (WXHXD)	Ø100×90 mm
Weight	300 g

RECORDING BANDWIDTH

Inputs	64–192 Mbps (hybrid: +8 Mbps per analog channel converted)
Out	192 Mbps
Analog-video-input	16CH Inputs

LIVE

IP Video Input	8ch, (only IP up to 24ch)
Composite Video Input	Up to 24ch (Analog video + IP video)

PERFORMANCE

Installation Wizard	Yes
Compression	Audio: G.711a Video: H.265/H.264
Display Resolution	8MP (15fps) / 5MP (20fps) 4MP/3MP/1080P/720P/960H (30fps) IP
Speed	4k: 30; 4mp: 18; 5mp: 14; 8mp: 10; 1080p: 240
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	4MP: 144fps; 5MP: 112fps; 8MP: 72fps; 1080P: 240fps
Playback Channels	8

AI FUNCTIONS INSTANT NOTIFICATIONS

Perimeter Intrusion Detection	Face Detection
Line Crossing Detection	Stationary Object Detection
Human & Vehicle Detection	Crowd Density Detection
License Plate Detection	Rare Sound Detection
Noise Detection	Queue Length Detection
Video Tampering	
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

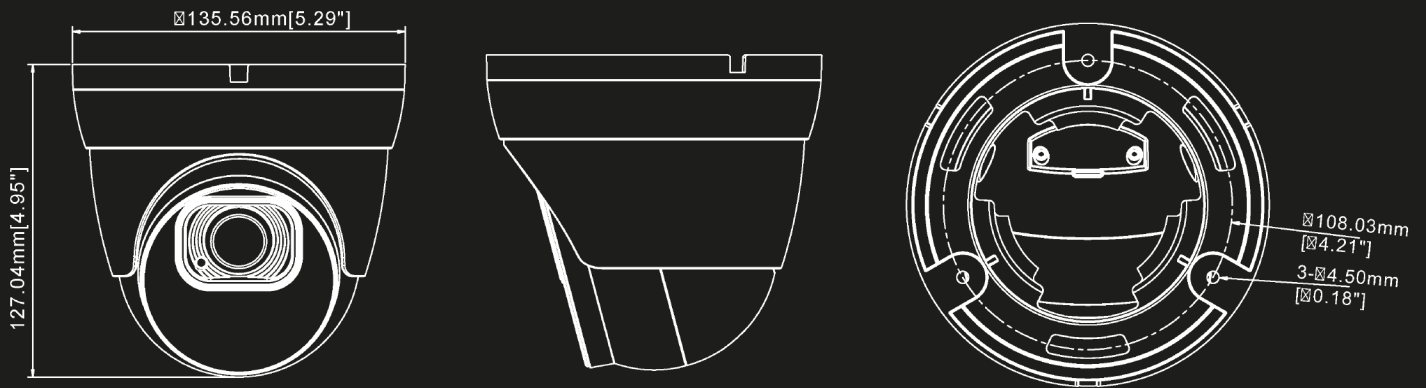
Local	UI5.0
Web	IE 10/11, Chrome 57+, Firefox 52+, Safari 12.1+, Edge 79+
Mobile Viewer	OV CONNECT
Push Notification	Yes
P/W Reset	Factory Reset: Press 10 seconds
BNC	1
VGA	1
HDMI	1
Ethernet	1× RJ45 (100/1000BASE-T)
USB	USB2.0*1(front) USB3.0*1(rear)
Audio	16 in / 1 out
E-SATA	1
HDD	2 SATA HDD, up to 18TB each HDD
RS485	1
Alarm input/out	16 in / 1 out

GENERAL

OSD Language	Multiple
Dimension (W×D×H)	378×328×52 mm
Input Voltage/Current	DC12V/5A
Power Consumption (Excluding Hard Disk)	≤ 20 W
Operating Temperature/ Humidity	0°C to +40°C

DIMENSIONS

Length: 328 mm | Width: 378 mm | Height: 52 mm



COMPATIBLE ACCESSORIES

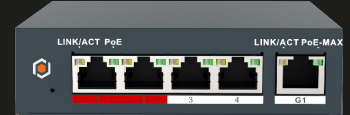


BALUNHDA+ VIDEO/POWER/AUDIO OVER CAT5

DISTANCE	400+
FORMAT	PIGTAIL
DETAILS	VIDEO POWER AUDIO
PACKAGE	PAIR
TECHNO	TVI/CVI/AHD/ANALOG



SWC5POE-GIGA
POE SWITCH



SWC5POE-MAN
POE SWITCH



BALUNHD BALUNHD OVER TWISTED PAIR

DISTANCE	700+ FEET
FORMAT	PIGTAIL
DETAILS	2MP/5MP/8MP
PACKAGE	PAIR
TECHNO	TVI/CVI/AHD/ANALOG



WD PURPLE PRO
UP TO 4TB HARD DRIVE



WD PURPLE PRO
UP TO 8TB HARD DRIVE



WD PURPLE PRO
2x 8TB HARD DRIVES

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ONVIF COMPLIANT



4K HDMI Output

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