

8MP 12 CHANNEL ANALOG KIT



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

IR Up to
20M

Built-in
Microphone

8MP
RESOLUTION

Up to 8MP
Resolution

2HDD included up
to 16TB

ONVIF

ONVIF Compliant
(S/G/T)

1080P VGA
Output

4K

4K HDMI
Output

P2P Mobile
Connection

Alarm 16
In / 1 Out

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	Black / Metal
Dimension (WXHXD)	Ø100×90 mm
Weight	300 g



16CH DIGITAL VIDEO RECORDER 1x GSD-DVR-FNC4K-16-N-AI-16T

MODEL #

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 2× 8TB HDD Included
RS485	1
Alarm input/out	16 in / 1 out

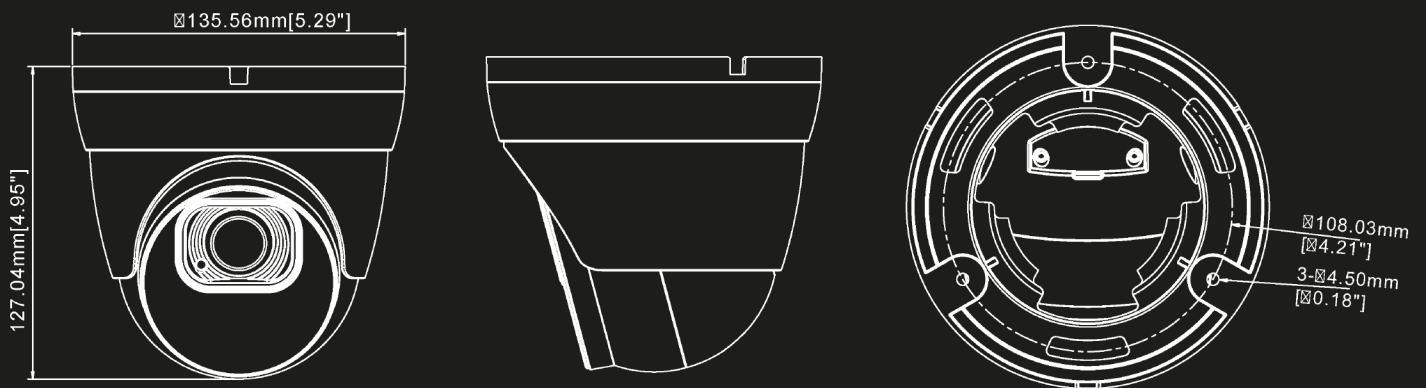
GENERAL

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



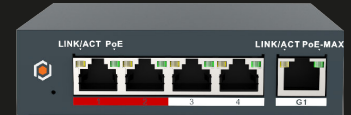
BALUNHDA+

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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