



BLZ-16KIT8-50T3M

16 Channel NVR Kit



KIT CONTAINS:

1x BLZ-EN16POE

8x BLZ-50T3M

KEY FEATURES

NVR

- 256 Mbps Bandwidth, supports 16× 8MP IP cameras
- 16-channel 1080P decoding, 4K HDMI output
- Up to 16-channel playback, 16 PoE ports
- P2P & App Alarm Push, AI Search
- AI Features: Face Detection, Intrusion, Tripwire (Human/Vehicle/Non-motor), Object Detection, SMD

CAMERA

- 5MP 1/2.7" CMOS Sensor, H.264+/H.265+ Compression
- 40m IR & Warm Light Night Vision
- Perimeter Protection & SMD
- 256GB Micro SD Support, 2.8mm lens
- 12VDC/PoE Power, IP67 Weatherproof

CAMERA	
Image Sensor	1/2.7" Progressive CMOS
Max. Resolution	5MP, 2880 (H) × 1620 (V)
Electronic Shutter	Auto/Manual 1/3 s–1/100,000 s
Min. illumination	0.006Lux(Illuminator off); 0Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	IR distance 40m, Warm light distance 40m
Illuminator Control	Auto; Manual

LENS	
Lens Type	Fixed-Focal
Focal Length	2.8mm
Max. Aperture	F1.6
Field of View	Horizontal: 111°,Vertical:59°,Diagonal:134°
Iris Type	Auto

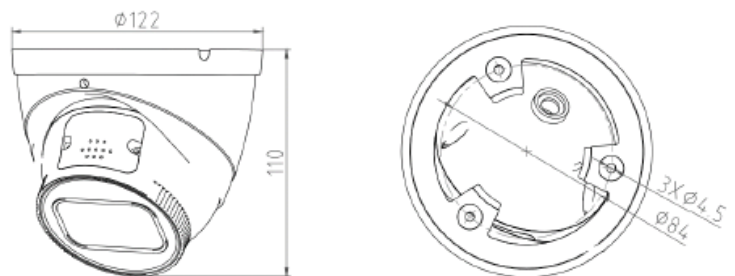
VIDEO	
Compression	H.264H; H.264M; H.264B; H.265
Smart Compression	H.264H+; H.264M+; H.264B+; H.265+
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 3 Kbps–20480 Kbps H.265: 3 Kbps–20480 Kbps
Stream Capability	3 Streams
Video Frame Rate	Main Stream: 5MP (1 fps–25/30 fps) Sub Stream: D1 (1 fps–25/30 fps) Third Stream: 720P (1 fps–25/30 fps)
Day/Night	Color/B/W
BLC, HLC	Yes
White Balance	Yes
Gain Control	Auto/Manual
WDR	DWDR
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 Areas, rectangular)
Image Rotation	180°
Mirror	Yes
Privacy Masking	4 Areas

ALARM	
Arming/Disarming	NA (Optional)
Sound Alarm	NA (Optional)
Light Alarm	Yes
Alarm Event	Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error

SMART FUNCTION	
Intelligent Analysis	Intrusion, Tripwire (Support the classification of Vehicle, Human and Non-Motor)
Motion Detection	Support
AI Search	Work together with NVR

NETWORK	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	TCP/IP;UDP;HTTP;IGMP;ICMP;DHCP;RTP/RTSP;DNS;DDNS;FTP;NTP;PPPOE;UPNP;SMTP
Interoperability	ONVIF; CGI; P2P(Optional)
User/Host	20 (Total bandwidth: 80 M)
Storage	FTP; Micro SD card (support max. 256 G/FAT32)
Browser	IE: IE8 and later; Chrome; Firefox
Mobile Client	IOS; Android
Management Software	eVMS-BLZ

ENVIRONMENT	
Power Supply	12V DC (±30%)/PoE (802.3af)
Power Consumption	Basic: 2.8 W; Max. 5.5W
Operating Conditions	–35°C to +60°C / <95% RH
Storage Conditions	–40°C to +60°C (–40°F to +140°F)
Protection Grade	IP67
Casing	Metal
Dimensions	110 mm × Φ122 mm
Net Weight	630g



ACCESSORIES	
BLZ-BB-48	
BLZ-WM-48	

NVR SPECIFICATIONS

Operating System	Embedded Linux
Operating Interface	Web/operating in local GUI

AUDIO AND VIDEO

Incoming bandwidth	256Mbps
Output bandwidth	256Mbps
Camera Input	16 channels
VGA	1920×1080,1280×1024,1280×720,1024×768
HDMI	3840×2160,1920×1080,1280×1024,1280×720,1024×768
Audio Output	1 channel, RCA(Line out,2Vp-p,300ohms)
Audio Compression	G.711A
Audio Bit Rate	64Kbps
IP channel Resolution	Up to 3840×2160
Video decoding	H.265 (Main Profile@L5.0 High-tie) /H.264 Up to High Profile@Level5.0)
Audio decoding	G.711A,G711U,G726
Synchronous Playback	16 channels
Decoding Ability	16 channels 1080P@30FPS/1CH 4K@30FPS
Synchronous Preview	16
Multi-screen Display	1, 4, 8, 9, 16 views
Alarm Linkage	Record; Snapshot; Buzzer; Log; Preset; Email
Two-way Audio	Yes
Picture Capture	Support JPEG Capture

RECORDING PLAYBACK

Record Mode	Manual; Schedule (general; MD; alarm; intelligent)
AI Search	Search by target classification (human, vehicle, non-motor vehicle)
Backup Method	USB device
Playback Mode	Play; pause; stop; fast forward; fast backward; rewind; play by frame & Full screen; backup (cut/file); partially enlarge; audio on/off
Management Software	eVMS-BLZ

GENERAL

Front Panel	JS
Packing	405x365x123mm
Dimensions	60x311.5x48mm
Weight	3Kg (No HDD)
Installation	Desktop Installation
Power Supply	AC110V~220V±10% 47Hz~63Hz
Working Temperature	-10 °C to +55 °C (14 °F to +131 °F)
Working Humidity	10%~90% (RH)
Consumption	20W (without HDD, without POE)
Certifications	CE/FCC

NETWORK

Network Protocol	HTTP; TCP/IP; IPv4; UPnP; SNMP; RTSP;UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; P2P; Auto register
Mobile Phone Access	IOS; Android
Interoperability	ONVIF; SDK
Browser	IE8 or later

PORTS

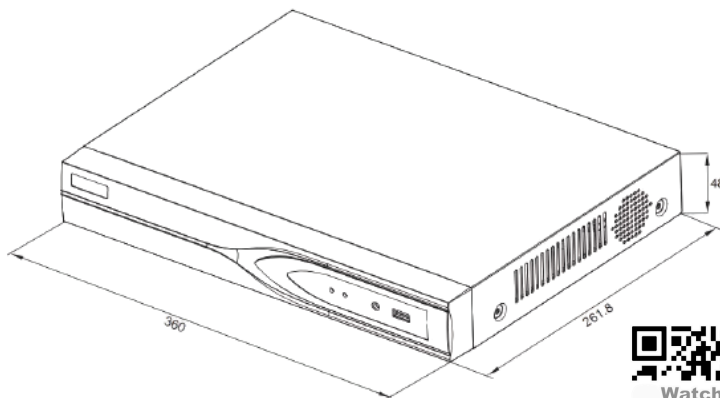
HDMI	1
VGA	1
SATA	2
ESATA	0
Max Capacity	14 TB
PoE Ports	16
Network Interface	1 RJ45 100M
CVBS	0
USB	2 USB 2.0 (on back panel), 1 USB 3.0 (On front)
RCA Input	1
RCA Output	1
Alarm Input	0
Alarm Output	0
RS-232	0
RS-485	0

AI FUNCTION - CAMERA

AI Motion	16 channels
Object Detection	16 channels
Face Detection	16 channels
Fenced Area Protection	16 channels

AI FUNCTION - NVR

AI Motion	4 channels
Face Detection	2 channels
Fenced Area Protection	2 channels



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