KBVISION

KX-DAi4K8832N3
32 Channel 2U AI Network Video Recorder

· 32 Channel IP video access
· Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
· Up to 16 Channel perimeter protection
· Up to 4 Channel video stream face recognition
· Up to 24 face pictures /sec processing
· Up to 20 face databases with 100,000 face images in total

Face Recognition Face Capture Human Capture ANPR Metadata Image Search Blacklist Alarm People Counting False Alarm Filter

Technical Specification

System

Main Processor	Multi-core embedded processor
Operating System	Embedded LINUX

Perimeter Protection

Performance	16 channel, 10 IVS rules for each channel
Object classification	Human/Vehicle secondary recognition for tripwire and intrusion
AI Search	Search by target classification (Human, Vehicle)

Face Recognition

Performance	Max 24 face pictures /sec processing (modeling and comparing)
	4 channel video stream face recognition / 16 channel picture stream face recognition (with FD camera)
Stranger Mode	Detect strangers' faces(not in device's face database). Similarity threshold can be set manually.
AI Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face image.
Database Management	Up to 20 face databases with 100,000 face images in total. Name, gender, birthday, nationality, address, ID information can be added to each face picture.
Database Application	Each database can be applied to video channels independently.
Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.

Metadata

Face	Gender, age, glasses, beard, mask.
Vehicle	Vehicle color, vehicle model, vehicle logo, plate color, vehicle decorations, call, seatbelt.
Human Body	Tops style,tops color,bottom style,bottom color, hat, bag.
Non-motor Vehicle	Type, color, people number.
AI Search	Support search target video by metadata.

Audio and Video

IP Camera Input	32/64 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Display

Interface	2 HDMI, 1 VGA
Resolution	HDMI1/VGA: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
	HDMI2: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Decoding Capability	4-ch@8MP(30fps), 16-ch@1080P(30fps)
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16

Recording

Bandwidth	320Mbps (160Mbps when AI function enabled)
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
Resolution	16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
Record Mode	Manual, Schedule (Continuous, MD(Motion Detection) , Alarm, IVS)
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

Video Detection and Alarm

Trigger Events	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Scene Change
Alarm input	16 Channel
Relay Output	6 Channel

Playback and Backup

Sync Playback	1/4/9/16
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Backup Mode	USB Device/Network/eSATA Device

Third-party Support

Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more

Network

Interface	2 RJ-45 Ports (10/100/1000Mbps)
PoE	N/A
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support KBVISION IP camera, DVR, NVS, etc.), P2P
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, SDK, CGI

Storage

Internal HDD	8 SATA III Ports, Up to 8 TB capacity for each HDD
eSATA	1 eSATA

Auxiliary Interface

USB	4 USB Ports (2 Rear USB 3.0 , 2 Front USB 2.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

Electrical

Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	NVR: <16.1W (Without HDD)
Fan	Smart fan, automatically adjust running speed

Environmental

Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction

Dimensions	2U, 440mm x 450.13mm x 95mm ; (17.3" x 17.7" x 3.7")
Net Weight	6.70kg (14.8 lb) (without HDD)
Gross Weight	9.30kg (20.5 lb) (without HDD)

Dimensions (mm)