KBVISION

KX-DWAi4K8832STNR3

32 Channel 2U 8HDDs NVR

· Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
· Up to 4 Channel video metadata
· Up to 12 Channel perimeter protection, SMD Plus
· Up to 4 Channel video stream face recognition
· Up to 16 face pictures/sec processing
· Up to 20 face databases with 200,000 face images in total

System	
Main Processor	Multi-core embedded processor
Operating System	Embedded LINUX
Perimeter Protection	
Performance	12 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 16 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 200,000 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, mouth mask, expression.
Vehicle	Plate No., type, color, vehicle type, logo, plate color, ornament, calling, seatbelt, region.
Human Body	Top, top color, bottom, bottom color, hat, bag, gender, age, umbrella.
Non-motor Vehicle	Type, color, number of passengers, helmet.
AI Search	Support search target video by metadata.
Audio and Video	
IP Camera Input	32 Channel

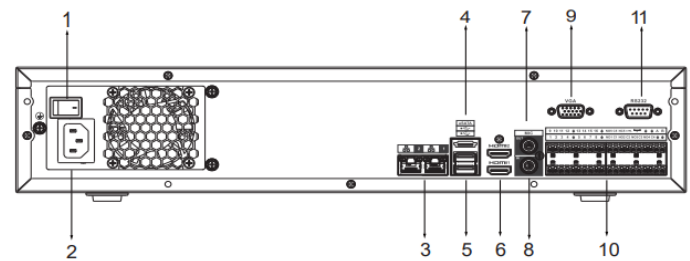| Two-way Talk	1 Channel Input, 1 Channel Output, RCA
Display	
Interface	2 HDMI, 1 VGA
Resolution	HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
	HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720
Decoding Capability	4-ch@8MP (30fps), 16-ch@1080P (30fps)
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
Recording	
Bandwidth	320 Mbps (160 Mbps when AI function enabled)
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
Resolution	24MP, 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
Raid Support	Raid0, Raid1, Raid5, Raid10
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
Third-party Support	
Third-party Support	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvif, Cano and more

KX-DWAi4K8832STNR3

32 Channel 2U 8HDDs NVR

Network	
Interface	2 RJ-45 Ports (10/100/1000 Mbps)
PoE	N/A
Network Protocol	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), P2P
Max. User Access	128 users
Mobile App	iPhone, iPad, Android
Interoperability	ONVIF 2.4, SDK, CGI
Storage	
Internal HDD	8 SATA III ports, up to 10TB for a single HDD. The maximum HDD capacity varies with environment temperature
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℃ to +55℃ (+14℉ to +131℉), 86-106kpa

Storage Conditions	0℃ to +40℃ (+32℉ to +104℉), 30-85% RH
Construction	
Dimensions	2U, 439.7 mm × 451.0 mm × 94.9 mm (17.31" × 17.75" × 3.73")
Net Weight	6.70 kg (14.8 lb) (without HDD)
Gross Weight	9.30 kg (20.5 lb) (without HDD)
Panels	

1	Power Switch	2	Power Input
3	Netwrok Ports	4	eSATA Port
5	USB Ports	6	HDMI Ports
7	AUDIO OUT, RCA Connector	8	AUDIO IN, RCA Connector
9	VGA Port	10	Alarm In/Out
11	RS-232 Port		