KBVISION

KX-C4K8216SN2
16 Channel Compact 1U 2HDD NVR

· New 4.0 user interface, Security baseline 2.1
· H.264, H.265, Smart H.264+, and Smart H.265+. H.265 auto switch
· Max. decoding capability: 8 × 1080p@30 fps. Supports adaptive decoding
· Supports mainstream cameras of ONVIF and RTSP protocols
· P2P remote surveillance, video play on mobile device
· VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
· AI by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD
· Supports remote configuration and management of IPC, such as setting parameters, getting information, and upgrading IPC of the same model in batches

System	
Main Processor	Industrial-grade embedded processor
OS	Embedded Linux
Operation Interface	Web/operating in local GUI

Perimeter Protection by Camera	
Performance	8 channels
AI Search	Search for pictures by channel, time and event type

Face Detection by Camera	
Performance	4 channels
Face Attributes	6 attributes: Gender, age, glasses, expression, mouth mask, and beard
AI Search	Search for pictures by channel, time and face attributes

SMD Plus by Camera	
Performance	12 channels
AI Search	Search by target classification (human, vehicle)

Video	
Access Channel	16
Network Bandwidth	Access: 160 Mbps; Storage: 160 Mbps; Forward: 64 Mbps
Resolution	8MP; 6MP; 5MP; 4MP; 3MP; 1080p; 720p; D1
Decoding Capability	8 × 1080p@30 fps
Video Output	1 × VGA output, 1 × HDMI output, supports simultaneous video sources output for VGA and HDMI
Multi-screen Display	1, 4, 8, 9, 16 views
Third-party Camera Access	ONVIF; RTSP

Compression	
Video	Smart H.265/H.265/Smart H.264/H.264/MJPEG
Audio	PCM/G711A/G711U/G726/AAC

Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; DDNS; FTP; Alarm Server; IP Search (Support KBVISION IP camera; DVR; NVS; etc.); P2P;auto register
Mobile Phone Access	Android; iOS
Interoperability	ONVIF (profile T/S/G); CGI; SDK
Browser	Chrome; IE9 or later; firefox

Record Playback	
Multi-channel Playback	Up to 16 channels for playback
Record Mode	Manual record; alarm recording; SMD recording; smart recording
Storage	Local HDD; network
Backup	USB storage device
Playback Function	1. Play/pause/stop/slow/quick/backward/by frame 2. Full screen, backup (video clip/file), partial zoom in, and audio on/off
Storage	
Disk Group	Yes

Alarm	
General Alarm	Motion detection, privacy masking, video loss, scene changing, PIR alarm, IPC external alarm
Anomaly Alarm	Camera disconnection, storage error, disk full, IP conflict, MAC conflict, login locked, and cybersecurity exception
Intelligent Alarm	Face detection, perimeter protection (intrusion and tripwire), IVS, people counting, heat map, and SMD alarms
Alarm Linkage	Recording, snapshot, audio, buzzer, log, preset, and email

External Port	
Audio Input	1 × RCA input
Audio Output	1 × RCA output
HDD	2 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature

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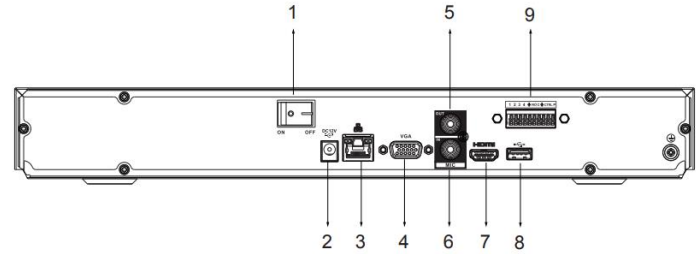## 16 Channel Compact 1U 2HDD NVR

Design and specifications are subject to change without notice.
Pictures in the document are for reference only, and the actual product shall prevail.

Alarm Input	4
Alarm Output	2
USB	2 (1 × front USB2.0; 1 × back USB2.0)
HDMI	1 (supports up to 4K resolution output)
VGA	1
Network	1 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port

General Parameter

Power Supply	12 V DC, 4 A
Power Consumption	< 10 W (HDD not included, idling)
Net Weight	1.51 kg (3.33 lb)
Gross Weight	2.76 kg (6.08 lb)
Product Dimensions	375 mm × 282.4 mm × 53 mm (14.76" × 11.12" × 2.09") (W × L × H)
Package Dimensions	141 mm × 433 mm × 366 mm (5.55" × 17.05" × 14.41") (W × L × H)
Operating Conditions	−10 °C to +55 °C (+10 °F to +131 °F)
Storage Conditions	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	10%~93%

Storage Humidity	30%~85%
Operating Altitude	3000 m (9842.52 ft)
Installation	Desktop mounted

Panels

1	Power Switch	2	DC 12V Power Input
3	Network Port	4	VGA Port
5	Mic Out	6	Mic In
7	HDMI Port	8	USB Port
9	Alarm Input/Output		