KBVISION

KX-CW4K8116ZSN2

16 Channel Compact 4K&H.265 Lite Network Video Recorder

· New UI interface with more easier operation experience
· Smart H.265+/ Smart H.264+
· P2P remote surveillance, video play on mobile device
· 16–ch@720P(30FPS), self-adaptive decoding capability
· Supports mainstream cameras of ONVIF and RTSP protocol
· VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
· Remote configuration and management of IPCs, such as setting parameters, acquiring information and upgrading IPCs of the same model in batches
· DHCP(Dynamic Host Configuration Protocol), HTTP(Hypertext Transfer Protocol), NTP(Network Time Protocol) and DDNS(Dynamic Domain Name System)
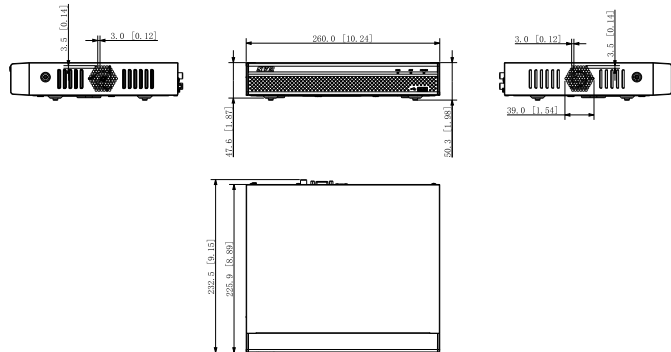
Technical Specification

System

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

Video

Access Channel	16 channels
Network Bandwidth	80 Mbps for access, 80 Mbps for storage and 60 Mbps for forwarding
Resolution	8MP/5MP/4MP/3MP/1080P/720P/D1/CIF
Decoding Capability	16–ch@720P(30FPS)
Video Output	1 VGA/1 HDMI simultaneous video output, maximum resolution 4K
Multi-screen Display	1/4/8/9/16
Third Party Camera Access	ONVIF, RTSP

Compression

Video	Smart H.265+/H.265/Smart H.264+/H.264
Audio	G.711A/G.711U/PCM/G726

Network

Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, P2P
Mobile Phone Access	KBVIEW Plus/ KBiVMS
Access Standard	ONVIF (profile S), CGI, SDK
Browser	Chrome, IE9 or above, Firefox

Record Playback

Multi-channel Playback	Up to 16 channels playback
Record Mode	Priority of record mode: Manual recording > alarm recording > motion detection recording > timed recording
Storage	Local HDD
Backup	USB device
Playback Function	1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off

Alarm

General Alarm	Motion detection, privacy masking, video loss, IPC alarm
Anomaly Alarm	Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly
Alarm Linkage	Video recording, snapshot, log, preset point, tour

External Port

HDD	1 SATA port, up to 8 TB for a single HDD. The maximum HDD capacity varies with environment temperature.
USB	1 front USB 2.0 port, 1 rear USB 2.0 port

HDMI	1
VGA	1
RCA Input	1
RCA Output	1
Network	1 RJ–45 port (10/100/1000 Mbps)

General Parameter

Power Supply	DC12V, 2A
Power Consumption	Total output of NVR is ≤ 10W (without HDD)
Net Weight	0.81kg (1.79 lb) (without HDD)
Gross weight	1.41kg (3.11 lb) (without HDD)
Dimensions	260mm × 225mm × 47.6mm (W × L × H) 10.24 inch × 8.86 inch × 1.87 inch (W × L × H)
Packaging Dimensions	89mm × 333mm × 315mm (W × L × H) 3.50 inch × 13.11 inch × 12.40 inch (W × L × H)
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Storage Temperature	0°C to +40°C (+32°F to +104°F)
Operating Humidity	10%–90%
Storage Humidity	30%–85%
Operating Altitude	3000 m (9843 ft)
Installation	Desktop mounting

Dimensions (mm[inch])

Rear Panel