

Network Video Recorder

KWIN-8216P16



NVR | 16CH | PoE | 4K UHD | HDD 2bay

Key Features

(* Marks- Scheduled to be supported)

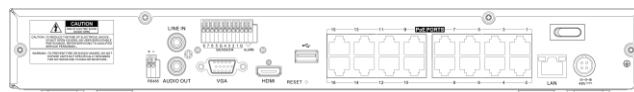
- 16ch real-time recording & playback simultaneously
- 16 PoE Ports
- 96Mbps recording bandwidth
- Max. 4K UHD input / output(HDMI)
- Support ONVIF Profile S
- Support H.264, H.265 Dual Codec
- Support 12TB HDD, 2 internal SATA HDDs
- Support Camera auto detection and simple registration (Add Camera Wizard)
- Integrated with specialized solutions (Alarm bell, Home Network, etc.)
- Support wire-wireless USB keyboard connection
- Support Remote DVR (Remote DVR/NVR control)
- Industry-first HTML5 Web viewer

Dimension

(378×317.4×51mm)



<Front View>



<Rear View>

Tech Note

Onvif

- Support the latest version of standard ONVIF protocol, which makes it compatible with 3rd party's software and system.
- Complete compatibility test with more than 100 models from 40 manufacturers around the world. Support free integration for new models.

4K UHD

- Support 4M QHD (2x greater than Full-HD) and 4KUHD (4x greater than Full-HD) recording.
- Provide the best resolution image through 4K UHD(HDMI) output to 4K monitor.

Auto IP / PoE

- Support Auto IP feature that automatically adds IPC to NVR. Simply connect IPC to NVR's PoE port without any complicated network set up.
- Easy to install with embedded PoE switch that provides power to IPC through Ethernet cable.

Remote DVR Full control of remote DVR/NVR -Patent Application

- Share DVR/NVR's main output on PC and real-time remote control from DVR/NVR's OSD menu on PC.



DVR/NVR



CAMERA



ACCESSORY



SOFTWARE

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VIDEO INPUT		
Video input	Channel	16CH IP video input
	Protocol	WESP, Onvif Profile S
	Format	H.264, H.265
	Resolution	1st stream: 720p~4K 2nd stream: Max 720×576
	Performance	96Mbps
	Stream	RTSP over TCP, RTSP over HTTP
	PoE	16 PoE ports (Max 15.4W/port, Total 156 W)
	PoE Mode	802.3af / midspan
VIDEO OUTPUT		
Video output	Port	1HDMI, 1VGA
	Format	HDMI : 4K, 1080p VGA : 1920×1080, 1280×1024, 1024×768
	Modes	Duplicate : HDMI, VGA main
	Display	Main: 1, 4, 6, 9, 10, 13, 16 split-screen
RECORDING		
Compression	H.264 / H.265	
Resolution	1st stream: 720p~4K 2nd stream: Max D1	
Rate	Total 480 fps, Max 30fps/ch @ 4K	
Bitrate	1st stream : Max. 8Mbps 2nd stream : Max. 2Mbps	
Mode	Manual&Event / Schedule&Event / Emergency	
Schedule	24hrs / 7days	
PLAYBACK		
Mode	Instant Playback / Search	
Speed	1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x, 32x, 64x	
Search type	Time/Calender, Event, Thumbnail(Time, Motion), Text	
Block playback	1day ~ 365days	
EVENT & ALARM		
Event source	Motion detection, Sensor input, Video Loss, Text input, AI, Flame, Thermal, System	
Event check Schedule	24hrs / 7days	
Event action	Buzzer, E-mail, FTP, Video pop-up, Camera Preset, Mobile Alarm Push, System alarm	
Text input	POS/ATM support, AVE VSI Pro/Hydra support	
SYSTEM ALARM		
Event source	HDD fail, HDD almost full, Password fail, WRS/DDNS fail, Recording Fail	
Event action	Pop-up Message, Buzzer, E-mail, Mobile Alarm Push	
AUDIO		
Input/output	1 RCA (1 Vpp) input / HDMI & RCA output	
Compression	G.711u	
Direction	Both	
PTZ		
Protocols	IP Camera with Onvif protocol & WESP protocol	

NETWORK	
Interface	1 Gigabit Ethernet RJ-45 port (10/100/1000Mbps)
Protocol	WESP, HTTP, RTSP/RTP, (Onvif), UPnP, TCP/IP, UDP, ARP, ICMP, DHCP, SMTP, SNMP, SNTP, TLS
DDNS	WNS, DynDNS, NoIP, WRS
TX Performance	1~78Mbps
NTP	Mode : Server / Client / Both Server : Public / Private
Users	Total 10 Users (Monitor + Playback) Playback 3 Users
TLS	Supported
Service Streaming	Remote DVR
SECURITY	
User level	1 admin, 10 users
User privilege	Menu, PTZ, Playback, Power on/off, Copy, Network MIC, Camera Setup
IP filtering	10 IP address ranges
STORAGE & BACKUP	
Storage devices	2 SATA HDDs
RAID Level	Not supported
File system	High-performance proprietary file system Data-loss protection against power interrupt
Capacity	12TB HDD Supported per SATA Port
Backup type	Multi-channel exe file, Single channel avi file, JPEG(Capture)
Backup device	2 USB 2.0 drive (1 front, 1 rear) FAT32(Max 32GB), NTFS
S.M.A.R.T.	Health checking and alarm, Reallocation sector monitoring and alarm
SERIAL & I/O	
Serial port	1 RS-485
Sensor input	8 Dry-contacts + sensor of IP camera
Relay output	Software-controlled 1 relay output Max 250V AC / 3A, 30V DC / 3A
CONTROLLER	
Device	Joystick Keyboard(option), Mouse, IR remote controller (option)
SOFTWARE	
HTML5 Webviewer	Monitoring / Event / PTZ / Playback for browser supporting HTML5
ActiveX Webviewer	Monitoring / Event / PTZ / Playback for IE
Smart Phone App.	Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android
CMS	Control Center, Max. 1024 Units
SDK	ActiveX(COM) SDK
ENVIRONMENTAL & PHYSICAL	
Dimension	378(W)×317.4(D)×51(H)mm
Weight	2.3kg (No HDD)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	90% below, free of condensation
Power	DC48V 3.75A, 50/60Hz
IPFR	Not supported
Power Consumption	Max 8W without HDD (TBD)
Approval	KC, FCC, CE

QA1.28

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* Specifications are subject to change without notice for product improvement.