Network Video Recorder

UHN404P-H1-V3

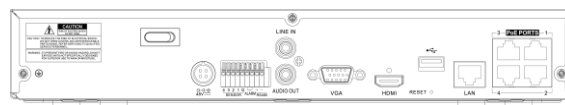## NVR l 4CH l PoE l 4K UHD l HDD 1bay

Key Features

· 4ch real-time recording & playback simultaneously

· 4 PoE Ports

· 40Mbps recording bandwidth

· Max. 4K UHD input / output(HDMI)

· Support ONVIF Profile S

· Support H.264, H.265 Dual Codec

· Support 12TB HDD, 1 internal SATA HDD

· 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

(300×227×53mm)

<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.

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.

Free VMS

- Provide Central Monitoring Software (Control Center) for free, supporting Max. 1,024 NVRs with various and great functions.

WEBGATE

DVR/NVR   CAMERA   ACCESSORY   SOFTWARE

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WEBGATE
● PWR ● REC

VIDEO INPUT

Video input	Channel	4CH IP video input
	Protocol	WESP, Onvif Profile S
	Format	H.264, H.265
	Resolution	1st stream: 720p~4K 2nd stream: Max D1
	Performance	40Mbps
	Stream	RTSP over TCP, RTSP over HTTP
	PoE	4 PoE ports (Max 15.4W/port, Total 46W)
	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 split-screen

RECORDING

Compression	H.264 / H.265
Resolution	1st stream: 720p~4K 2nd stream: Max D1
Rate	Total 120 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, 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 (0.5 Vpp) input / HDMI & RCA output
Compression	G.711u
Direction	Both

PTZ

Protocols	IP Camera with Onvif protocol & WESP protocol

NETWORK

Interface	1 Fast Ethernet RJ-45 port (10/100Mbps)
Protocol	WESP, HTTP, RTSP/RTP, (Onvif), UPnP, RADIUS, TCP/IP, UDP, ARP, ICMP, DHCP, SMTP, SNMP, SNTP, TLS
DDNS	WNS, DynDNS, NoIP, WRS
TX Performance	78Mbps
NTP	Mode : Server / Clinet / Both Server : Public / Private
Users	10 Monitoring, 4 Playback, 1 Configuration tool
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	1 SATA HDD
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	4 Dry-contacts + sensor of IP camera
Relay output	1 Relays

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	300(W)×209(D)×49(H)mm
Weight	1kg (No HDD)
Operating Temperature	0℃ ~ 40℃ (32°F ~ 104°F)
Operating Humidity	90% below, free of condensation
Power	DC 48V 1.2A, 50/60Hz
IPFR	Not supported
Power Consumption	Max 4W without HDD (TBD)
Approval(*)	KC, FCC, CE

(* Marks- Scheduled to be supported)

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