



Network Video Recorder

UHN404P-H1-V3



NVR | 4CH | PoE | 4K UHD | HDD 1bay

Key Features

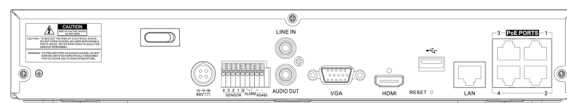
- 4ch real-time recording & playback simultaneously
- 4 PoE Ports
- 40Mbps recording bandwidth
- Max. 4K UHD input / output(HDMI)
- Support ONVIF Profile S
- Support H.264, H.265 Dual Codec
- Support 12TB HDD, 1 internal SATA HDD
- Support Camera auto detection and simple registration (Add Camera Wizard)
- 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.



DVR/NVR



CAMERA



ACCESSORY



SOFTWARE

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| 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/Calendar, 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 / Client / 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°C ~ 40°C (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 |

QA1.20

(* Marks- Scheduled to be supported)

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