



DVR/NVR



CAMERA



ACCESSORY



SOFTWARE

Network Video Recorder

UHN1600-H2



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

Key Features

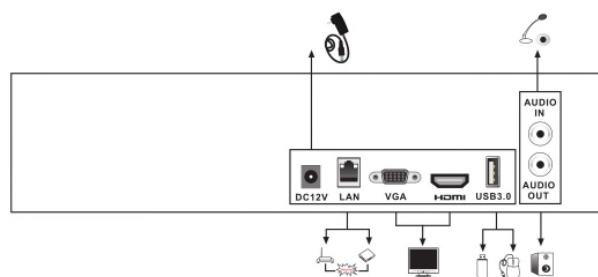
- 16ch real-time recording & playback simultaneously
- 160Mbps recording bandwidth
- Max. 4K UHD input / output(HDMI)
- Support ONVIF Profile S
- Support H.264, H.264+(*) Dual Codec
- Support 10TB HDD, 2 internal SATA HDDs
- Max. 128TB(SATA), 256TB(UHS04R) recording capacity
- Support Camera auto detection 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

(380×268×45mm)



<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.

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.



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VIDEO INPUT		
Video input	Channel	16CH IP video input
	Protocol	WESP, Onvif Profile S
	Format	H.264, H.264+(*)
	Resolution	1st stream: 720p~4K 2nd stream: Max. 720p
	Performance	160Mbps
	Stream	RTSP over TCP, RTSP over HTTP
PoE	Not supported	

VIDEO OUTPUT		
Video output	Port	1HDMI, 1VGA
	Format	HDMI : 4K/1080p VGA : 1920×1080, 1280×1024, 1024×768, 800×600
	Modes	Duplicate : HDMI, VGA main Spot : HDMI main, VGA spot Main only : HDMI main, VGA off
	Display	Main: 1, 4, 6, 9, 10, 13, 16 split-screen Spot : 1, 4, 9, 16 split-screen

RECORDING	
Compression	H.264 / H.264+(*)
Resolution	1st stream: 720p~4K 2nd stream: Max 720p
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	1x, 2x, 4x, 8x, 16x, 32x, 64x
Search type	Time/Calendar, Event, Thumbnail(Time, Motion), Text
Block playback	1day ~ 99days

EVENT & ALARM	
Event source	Motion detection, Sensor input, Video Loss, Text input, 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.711
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, RADIUS, TCP/IP, UDP, ARP, ICMP, DHCP, PPPoE, SMTP, SNMP, SNT, TLS
DDNS	WNS, DynDNS, NoIP, WRS
TX Performance	100Mbps
NTP	Mode : Server / Client / Both Server : Public / Private
Users	10 Monitoring, 4 Playback, 1 Configuration tool
Service Streaming	Remote DVR

SECURITY	
User level	1 admin, 10 users
User privilege	Menu, PTZ, Playback, Power off, Copy, Network MIC, Camera Setup
IP filtering	10 IP address ranges

STORAGE & BACKUP	
Storage devices	2 SATA HDDs
RAID Level	External storage including network storage UHS04R (Level 1/5/10)
File system	High-performance proprietary file system Data-loss protection against power interrupt
Capacity	Max. 128TB with SATA, Max. 256TB with cascaded UHS04R 10TB HDD Supported (Recommended to use more than 3TB capacity HDDs)
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	Not supported
Sensor input	sensor of IP camera
Relay output	Not supported

CONTROLLER	
Device	Joystick Keyboard(option), Mouse

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	380(W)×268(D)×45(H)mm
Weight	1.5kg (No HDD)
Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)
Operating Humidity	80% below, free of condensation
Power	DC 12V 4A, 50/60Hz (option : DC 12V / 5A) - It is highly recommended to use an DC 12V 5A adapter (option) to use a high capacity HDD with a power consumption of 6W or more. Please refer the HDD's specification for power consumption of HDD.
IPFR	Not supported
Power Consumption	Max. 15W without Storage
Approval	KC, FCC, CE, RoHS