



DVR/NVR



CAMERA



ACCESSORY



SOFTWARE

Network Video Recorder

UHN6400-H6R



NVR | 64CH | 4K UHD | HDD 6bay | RAID

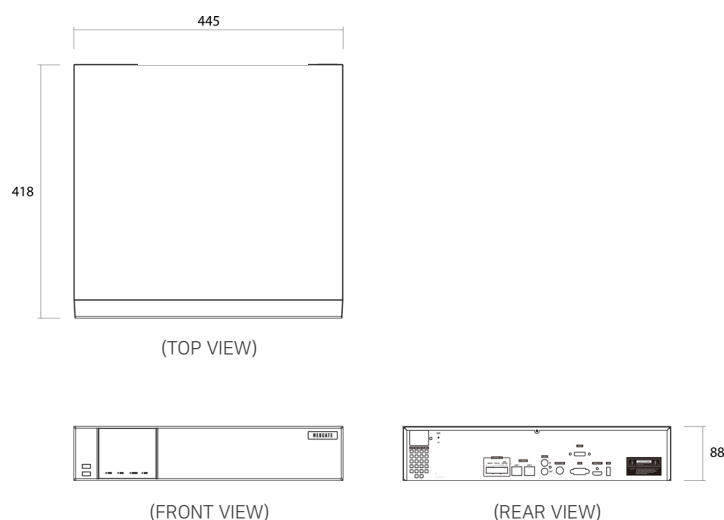
Key Features

(* Marks- to be supported)

- 64ch real-time recording & playback simultaneously
- 320Mbps recording bandwidth
- Max. 4K UHD input / output(HDMI)
- Max. 3 monitor output / Spot monitor feature
- Support ONVIF Profile S
- Support H.264, H.265* Dual Codec
- Support 10TB HDD, 6 internal SATA HDDs, 1 eSATA
- Support RAID(Level 1/5/10)
- Max. 128TB(SATA, eSATA), 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

(445×418×88mm)



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.

RAID Improve reliability of record data

- Protect recording data in case of HDD failure by duplicated data storing or/and by processing of pre-assigned parity bits.
- Non RAID NVR also can use RAID function and expand storage capacity together with external storage (UHS04R).

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.



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VIDEO INPUT		
Video input	Channel	64CH IP video input
	Protocol	WESP, Onvif Profile S
	Format	H264, H265*
	Resolution	1st stream: 720p~4K 2nd stream: Max 960×540
	Performance	320Mbps
	Stream	RTSP over TCP, RTSP over HTTP
PoE	Not supported	
VIDEO OUTPUT		
Video output	Port	1 HDMI, 1 VGA, 1 CVBS
	Format	HDMI : 4K/1080p VGA : 1920×1080, 1280×1024, 1024×768, 800×600
	Modes	Duplicate : HDMI, VGA main Spot : VGA spot, CVBS spot
	Display	Main : 1, 4, 6, 9, 10, 13, 16, 25, 36, 64 split-screen Spot* : 1, 4, 9, 16 split-screen
RECORDING		
Compression	H.264 / H.265*	
Resolution	1st stream: 720p~4K 2nd stream: Max 960×540	
Rate	Total 1920 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 ~ 99days	
EVENT & ALARM		
Event source	Motion detection, Sensor input, Video Loss, Text input, System	
Event check Schedule	24hrs / 7days	
Event action	Relay, 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, Relay, Mobile Alarm Push	
AUDIO		
Input/output	1 input(RCA Jack, Line-in, 1Vpp) / 1 output(HDMI1 & RCA)	
Compression	G.711	
Direction	Both	
PTZ		
Protocols	IP Camera with Onvif protocol & WESP protocol	

NETWORK	
Interface	2 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, SNTTP, 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, Relay, Playback, Power off, Copy, Network MIC, Camera Setup
IP filtering	10 IP address ranges
STORAGE & BACKUP	
Storage devices	6 SATA, 1 eSATA HDDs
RAID Level	Level 1/5/10 (For internal HDD, max 5 HDDs can be used as RAID) External storage including network storage UHS04R (Level 1/5/10)
File system	Proprietary file system, Data-loss protection against power-failure
Capacity	Max. 128TB with eSATA, 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	3 USB 2.0 drive (front 2, rear 1) FAT32(Max 32GB), NTFS
S.M.A.R.T.	Health checking and alarm, Reallocation sector monitoring and alarm
SERIAL & I/O	
Serial port	2 RS-485
Sensor input	4 Dry-contacts + sensor of IP camera
Relay output	2 Relays
CONTROLLER	
Device	Joystick Keyboard(option), Mouse, IR remote controller
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	445(W)×418(D)×88(H)mm
Weight	5.46kg (No HDD)
Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)
Operating Humidity	80% below, free of condensation
Power	AC 100~240V, 50/60Hz
Power Consumption	Max 13W (without Storage)
Approval	KC, FCC, CE, RoHS

(* Marks- to be supported)

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