



## Network Video Recorder

# UHN6400-H6R



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

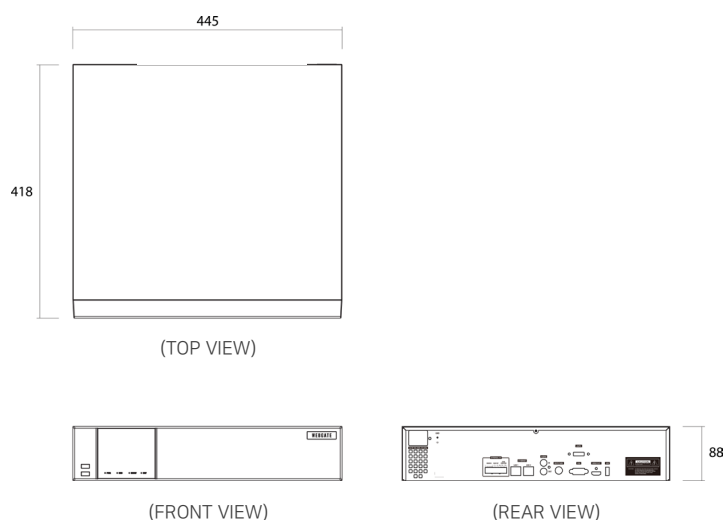
### Key Features

(\* Marks- Scheduled to be supported)

- 64ch real-time recording & playback simultaneously
- 400Mbps 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 12TB 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.



DVR/NVR



CAMERA



ACCESSORY



SOFTWARE

## Network Video Recorder

### UHN6400-H6R



VIDEO INPUT		
Video input	Channel	64CH IP video input
	Protocol	WESP, Onvif Profile S
	Format	H.264, H.265
	Resolution	1st stream: 720p~4K 2nd stream: Max 960×540
	Performance	400Mbps
	Stream	RTSP over TCP, RTSP over HTTP
	PoE	Not supported
	PoE Mode	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 ~ 365days	

EVENT & ALARM		
Event source	Motion detection, Sensor input, Video Loss, Text input, AI, 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 RCA (1 Vpp) input / HDMI & RCA output	
Compression	G.711u	
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, 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, 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	High-performance proprietary file system Data-loss protection against power interrupt Safe HDD head parking in power failure	
Capacity	Max. 128TB with eSATA, Max. 256TB with cascaded UHS04R. 12TB HDD Supported per SATA Port (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	
IPFR	Supports IPFR (Intelligent Power Failure Recovery)	
Power Consumption	Max 13W without Storage	
Approval	KC, FCC, CE	

(\* Marks- Scheduled to be supported)\_rev 1.17

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