Network Video Recorder

UHN6400-H6R

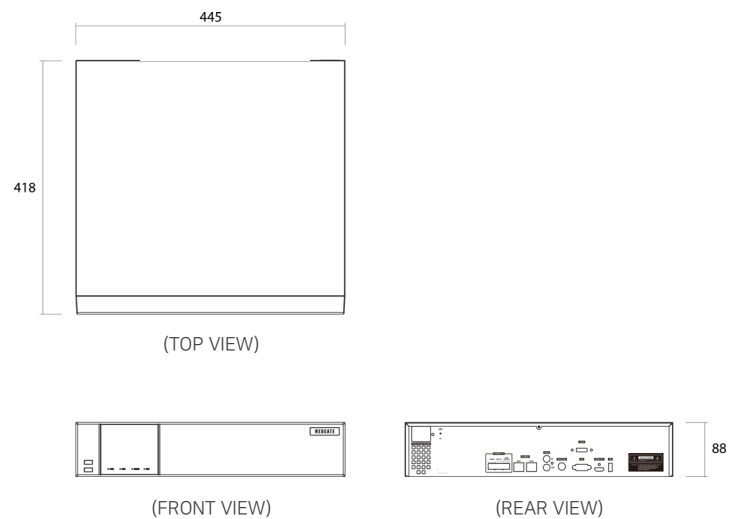**NVR I 64CH I 4K UHD I HDD 6bay I RAID**

Key Features

(* Marks- Scheduled 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.264+(*) 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)

445

418

(TOP VIEW)

(FRONT VIEW)   (REAR VIEW)

88

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.

WEBGATE

DVR/NVR CAMERA ACCESSORY SOFTWARE

Network Video Recorder

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VIDEO INPUT

	Channel	64CH IP video input
Video input	Protocol	WESP, Onvif Profile S
	Format	H.264, H.264+(*)
	Resolution	1st stream: 720p~4K 2nd stream: Max 960×540
	Performance	320Mbps
	Stream	RTSP over TCP, RTSP over HTTP
	PoE	Not supported

VIDEO OUTPUT

	Port	1 HDMI, 1 VGA, 1 CVBS
Video output	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.264+(*)
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/Calender, 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 RCA (1 Vpp) input / HDMI & RCA output
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, SNTP, TLS
DDNS	WNS, DynDNS, NoIP, WRS
TX Performance	100Mbps
NTP	Mode : Server / Clinet / 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	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 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℃ ~ 45℃ (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, RoHS

(* Marks- Scheduled to be supported)

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