Network Video Recorder

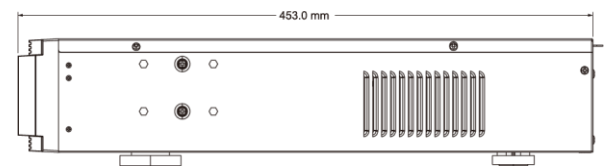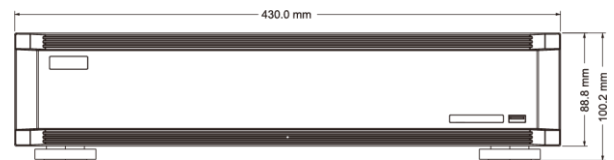# UHN6400-H8

NVR I 64CH I 4K UHD

Key Features

· 64ch real-time recording & playback simultaneously

· 360Mbps 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 8TB HDD, 8 internal SATA HDDs, 1 eSATA

· Max. 128TB(SATA, eSATA), 256TB(NS04R) recording capacity

· Camera auto detection and simple registration

· Integrated with specialized solutions
  (Alarm bell, Home Network, etc.)

· Support wire-wireless USB keyboard connection*

· Remote DVR (Remote DVR control), Service Channel features

· Industry-first HTML5 Web viewer

(* Marks- to be supported)

Dimension

(430×453×89mm)

430.0 mm

88.8 mm

100.2 mm

453.0 mm

Tech Note

4K UHD More Vivid & Sharper with Ultra High Definition

4K UHD is perfect for large area coverage and identifying objects at great distances.
DVR supports 4M QHD (2x greater than Full-HD) and 4K UHD (4x greater than Full-HD) recording.

Onvif Profile-S

Support latest standard protocol version, ONVIF Profile-S, which makes it compatible with 3rd party's IP cameras.

Remote DVR (Remote DVR control)

DVR's main screen is copied to remote PC so that user can perform real-time monitoring and control through OSD menu of DVR remotely.

Free VMS

Provide Central Monitoring Software (Control Center) for free, supporting Max. 1,024 NVRs with various and great functions.

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UHN6400-H8

VIDEO INPUT

Video input	Channel	64CH IP video input
	Protocol	WESP, Onvif Profile-S
	Format	H264, H265*
	Resolution	1st stream: 720p~4K (H.264/H.265*) 2nd stream: under D1
	Performance	360Mbps
	Stream	RTSP over TCP, RTSP over HTTP
	PoE	Not supported

VIDEO OUTPUT

Video output	Port	2HDMI, 1VGA
	Format	HDMI1: 4K/1080p / HDMI2 : same as VGA VGA : 1920×1080, 1280×1024, 1024×768
	Modes	Duplicate : HDMI1, HDMI2, VGA main Spot* : HDMI1 main, HDMI2 / VGA spot Main only : HDMI1 main, HDMI2 / VGA off
	Display	Main : 1, 4, 6, 9, 10, 13, 16, 25, 36, 64 split-screen Spot* : 1, 4, 9, 16, 32 split-screen

RECORDING

Compression	H.264 / H.265*
Resolution	1st stream : more than 720p 2nd stream : under 720p
Rate	Total 1080 fps, Max 30fps/ch @ 4K
Bitrate	1st stream : Max. 8Mbps 2nd stream : Max. 2Mbps
Mode	Continuous / Manual / Emergency
Schedule	24hrs / 7days

PLAYBACK

Mode	Instant Playback / Search
Speed	1x, 2x, 4x, 8x, 16x, 32x, 64x
Search type	Time/Calender, Event, Thumbnail(Time, Motion), Text
Block playback	24hours ~ 99days

EVENT & ALARM

Event source	Motion detection, Sensor input, Video Loss, Text input
Event check Schedule	24hrs / 7days
Event action	Buzzer, Relay, E-mail, FTP, Alarm Pop-Up

SYSTEM ALARM

Sensor input	Software-controlled 8 sensor inputs N.O. / N.C. / Off Sensor input of IP camera (Max.1ea per Channel)
Text input	POS / ATM support
Alarm source	HDD fail. HDD almost full, Password fail, WRS Reg fail, HDD Write Fail, S.M.A.R.T, Power On, Recording Fail
Alarm action	Pop-up Message, Buzzer, Relay, E-mail

AUDIO

Input/output	1 input(RCA Jack, Line-in, 1Vpp) / 1 output(HDMI1 & RCA)
Compression	ADPCM (128Kbps, 32KHz, 16bit Sampling)
Direction	Both

PTZ

Protocols	IP Camera with Onvif 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
Performance	100Mbps
NTP	Mode : Server / Clinet / Both Server : Public / Private
Users	10 Monitoring, 4 Playback, 1 Configuration tool
Service Streaming	Remote Playback, Service Channel, Remote DVR

SECURITY

User level	1 admin, 10 users
User privilege	Menu, PTZ, Relay, Playback, Power, Copy, Network MIC
IP filtering	10 IP address ranges

STORAGE & BACKUP

Storage devices	8 SATA, 1 eSATA HDDs
RAID Level	External storage including NS04R(Level 1/5/10)
File system	WebGate's own filesystem for high-performance DVR Safe data retention in power interrupt
Capacity	Max. 128TB with SATA/eSATA Max. 256TB with NS04R
Backup type	USB 2.0(1 port), USB 3.0(1 port) Max 32GB(FAT32), 1TB(NTFS)
Backup device	3 USB 2.0 drive (2 front, 1 rear)
S.M.A.R.T.	Temperature and Health checking

SERIAL & I/O

Serial port	2 RS-485
Sensor input	8 Dry-contacts
Relay output	4 Relays

CONTROLLER

Device	IR remote controller, Joystick Keyboard, Mouse

SOFTWARE

HTML5 Webviewer	Monitoring / Event / PTZ / Playback for browser supporting HTML5
Webviewer	Monitoring / Event / PTZ / Playback for IE
Java viewer	Monitoring / Event / PTZ for IE, Chrome, Safari
Mobile viewer	Monitoring / Playback / Alarm Push / PTZ / Audio / Log View with iPhone & Android
CMS	Control Center, Max. 1024 Units
SDK	ActiveX(COM) SDK

ENVIRONMENTAL & PHYSICAL

Dimension	430(W)×453(D)×89(H)mm
Weight	-
Operating Temperature	5℃ ~ 45℃ (41F ~ 113F)
Operating Humidity	80% below, free of condensation
Power	AC 100~240V, 50/60Hz
Power Consumption	Max. 15W without HDD
Approval	KC, FCC, CE, RoHS