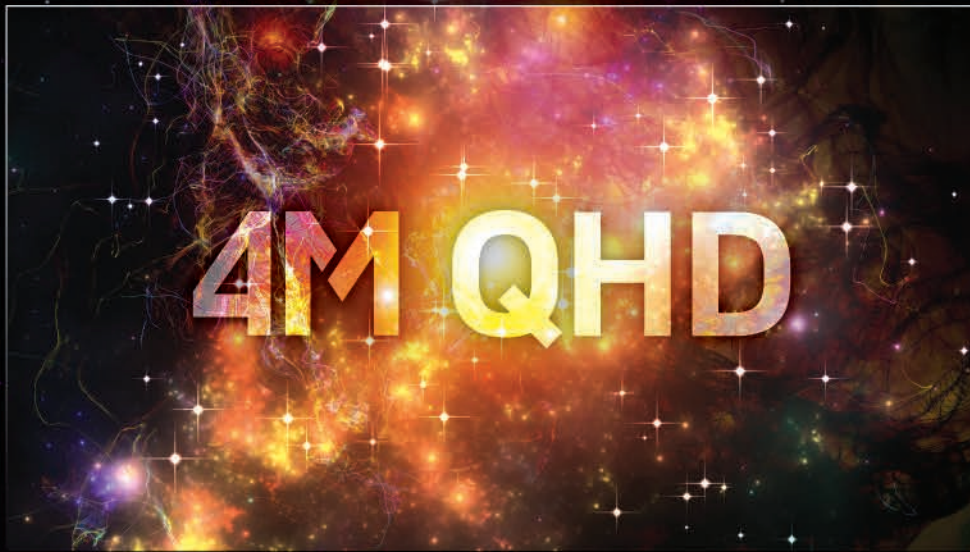


More vivid & sharper with 4M QHD



NEW Universal 4M DVR

16CH(UHD1608F-U)

4M QHD for all channels

- Perfect for large area coverage and identifying objects at great distances
- More vivid & sharper with 4M QHD for all channels

Universal DVR

- From SD to 4K UHD, including IPC, it supports all kinds of video formats without any limitation on channel configuration.
- The Universal DVR is the optimum solution for any site, any camera.



Format	Analog			IP	Digital			
	CVBS	TVI	AHD	Onvif	HD-SDI	EX-SDI 1.0 / 2.0	EX-SDI 2.1	EX-SDI TDM
NVR	Unsupported			IP	Unsupported			
Analog HD DVR	Analog SD / HD			Unsupported				
Digital HD DVR	Unsupported				Digital HD		Unsupported	
Universal DVR	Analog SD / HD			IP	Digital HD / UHD / TDM			

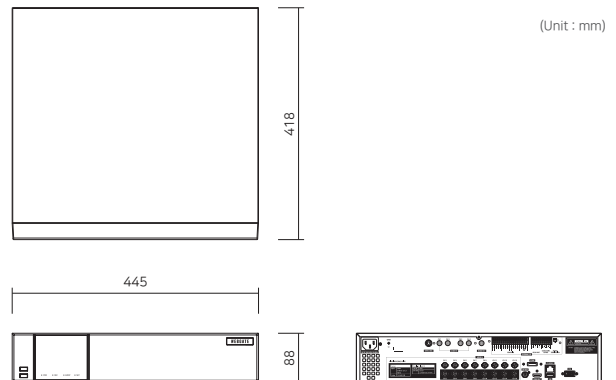
Key Features

Support all video format | 2M, 4M(All Channel), 4K UHD(Max. 8CH) | Support TDM video
 4K UHD(HDMI) output | 6 HDD(SATA) | Storage capacity 128TB(eSATA), 256TB(NS04R)
 RTSP | Service channel, Remote DVR | VMS(Control Center), Mobile App(WebEye), HTML5 WebViewer



Universal 4M DVR

16CH UHD1608F-U



(* Marks- to be supported)

VIDEO INPUT		
Video input Format	BNC	HD-SDI, EX-SDI(1.0 / 2.0 / 2.1), EX-SDI TDM AHD, TVI, CVBS(960H,SD)
	IP(Ethernet)	WESP, Onvif Profile S
Resolution / Frame Rate	HD-SDI	1920x1080@30fps, 1920x1080@25fps
	EX-SDI 1.0	2560x1440@30fps, 2560x1440@25fps
	EX-SDI 2.0	3840x2160@30fps, 3840x2160@25fps
	EX-SDI 2.1	
	EX-SDI TDM	1920x1080@30fps, 1920x1080@25fps
	AHD	1920x1080@30fps, 1920x1080@25fps 2560x1440@30fps, 2560x1440@25fps 3840x2160@15fps(*), 3840x2160@12fps(*)
TVI		1920x1080@30fps, 1920x1080@25fps 2560x1440@30fps, 2560x1440@25fps 3840x2160@15fps(*), 3840x2160@12fps(*)
	CVBS(960H)	960x480@60i, 720x480@60i 960x576@50i, 720x576@50i
IP		1920x1080 / 2048x1536
Connectors	16ch, 75Ω BNC connector	
CoC	Control over Coax@AHD, TVI, All SDI	
VIDEO OUTPUT		
Video output	Resolution	HDMI : 3840x2160, 1920x1080 VGA : 1920x1080, 1280x1024, 1024x768, 800x600 BNC(SDI) : 1920x1080 BNC(CVBS) : 720x480, 720x576
	Modes	HDMI/VGA Main + CVBS Spot HDMI/SDI Main + CVBS Spot HDMI Main + VGA Spot + CVBS Spot HDMI Main + SDI Spot + CVBS Spot
	BNC(CVBS)	1, 4, 9, 16 split-screen, Switching
	BNC(SDI)	Main : Same as HDMI output Spot : 1, 4, 9, 16 split-screen, Switching Format : HD-SDI, EX-SDI, EX-SDI 2.0
RECORDING		
Compression	H.264 / JPEG	
Resolution	3840x2160, 2560x1440, 1920x1080, 960x480	
Rate	Max. 480fps@1920x1080, Max. 480fps@2560x1440, Max. 240fps@3840x2160	
Quality	10 levels up to 12Mbps@2M, 12Mbps@4M, 16Mbps@8M(4K)	
Mode	Normal/Event Record, Schedule/Event Record, Emergency Record	
Schedule	24hrs / 7days	
PLAYBACK		
Mode	Instant Playback / Search	
Speed	Max. 480fps@1920x1080, Max. 480fps@2560x1440 Max. 240fps@3840x2160	
Search type	Date/Time, Calendar/Time-line, Event, Thumbnail(Interval/Motion), Text, Bookmark	
Block playback	1day ~ 99days	
EVENT & ALARM		
Event source	MD(Motion Detection), Sensor, Text, Video Loss	
Event check Schedule	24hrs / 7days	
Event action	Relay, Buzzer, E-mail, FTP, Video pop-up, Camera Preset, Mobile Alarm Push	
MD area	15x10	
Text input	POS/ATM support, AVE VSI Pro/Hydra support	

AUDIO	
Input/output	4 RCA input / HDMI & RCA output
Compression	G.711
Direction	Both
PTZ	
Protocols	HIK-C, AHD, C1080(D1080), C1080PT-Z20, Pelco-D, Pelco-P, Samsung, Panasonic and others
NETWORK	
Interface	1 Gigabit Ethernet (10/100/1000Mbps)
Type	Static IP, Dynamic IP, xDSL
DDNS	WNS, DynDNS, NoIP, WRS
Bandwidth limit	0.01 ~ 100Mbps, unlimited
NTP	Server / Client / Both
Users	10 Monitoring, 4 Playback
RTSP	Supported
UPnP	UPnP auto port forwarding
Streaming	H.264 stream, High resolution
	1 additional H.264 stream, Normal resolution
	1 JPEG stream, Normal resolution
Service Streaming	Service Channel or Remote DVR
SECURITY	
User level	1 admin, 10 users
User privilege	Menu, PTZ, Relay, Playback, Power, Copy, Network MIC
IP filtering	Supported
STORAGE & BACKUP	
Storage devices	6 internal SATA HDDs, 1 external eSATA Interface, Gigabit network for NS04R/UHS04R
RAID Level	External storage including NS04R/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 NS04R/UHS04R 10TB HDD Supported
Backup type	Multi-channel exe file, Single channel avi file, JPEG(Capture)
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	16 Dry-contacts
Relay output	2 Relays
CONTROLLER	
Device	IR remote controller, Joystick Keyboard(option), Mouse
SOFTWARE	
HTML5 Webviewer	Monitoring / Event / PTZ / Playback for browser supporting HTML5
Webviewer	Monitoring / Event / PTZ / Playback for IE
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	445(W) x 418(D) x 88(H) mm
Weight	TBD
Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)
Operating Humidity	80% below, free of condensation
Power	AC free volt (100~240VAC), 50/60Hz
Power Consumption	TBD
Approval	KC, FCC, CE, RoHS

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



DAEMYUNG CORPORATION

WEBGATE

CS CENTER +82-31-428-9334 / 9383

website | www.webgateinc.com
 blog | www.hd-cctv.co.kr
 E-mail | sales@webgateinc.com