

# H.264 Stand Alone DVR



## MH1600H H.264 Stand Alone Digital Video Recorder

### Key Features

- 16ch Standalone DVR
- Full-frame monitoring/recording(480/400fps@4CIF) for all channels
- Adjustable recording quality and framerate per each channel
- 4 Individual monitor output via built-in 4 BNC and 2 DVI port (Each monitor can support playback/split screen/menu display)
- Supports Dual Codec(H.264,JPEG) / Multi stream
- Supports IPFR (Intelligent Power Failure Recovery) File System
- 4 Internal SATA type HDDs
- Supports external Storage via gigabit ethernet (NVS04R)
- Supports external storage via eSATA port
- Date/Time, Calendar, Event, Thumbnail, Smart, Text search available
- Provides bundle CMS program that manages 1,024 DVRs in various ways such as E-map, Viewset
- Java Viewer for Chrome, Firefox, Safari
- Various mobile platform support (iPhone/Android Viewer, Mobile page)
- Provides Full SDK for easy and powerful customization

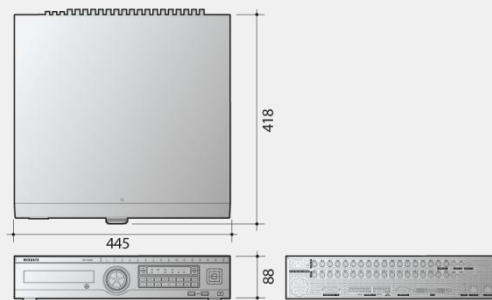
### Front



### Back



### Dimensions



## Specifications

<b>VIDEO INPUT</b>		<b>SECURITY</b>	
Video input analog channels	16 BNC connectors (NTSC/PAL, auto detect)	User level	1 admin, 10 users
Connectors	16ch, 75Ω BNC connector	User privilege	Menu, PTZ, relay, playback, power On/Off, copy, Network MIC
<b>VIDEO OUTPUT</b>		IP filtering	Supported
Video output	4 BNC (Each monitor supports 16 split-screen), 2 DVI 1, 4, 9, 16 mode User defined sequence / alarm pop-up	<b>STORAGE &amp; BACKUP</b>	
Loop out	16 with auto-termination	Storage devices	4 internal SATA HDDs, 1 external eSATA I/F, 1 ethernet for storage
<b>RECORDING</b>		Mirroring	Supported
Resolution	D1(4CIF), HALF(2CIF), CIF	File system	Proprietary file system, data-loss protection against power-failure
Rate	480/400fps (NTSC/PAL) at D1(4CIF)	Capacity	Max 8TB with SATA, Max 32TB with cascaded NVS04R
Quality	5 levels of compression rate / Record frame rate adjustment	Backup type	Multi-channel own file format or single channel avi file
Mode	Manual & Event / Schedule & Event / Continuous & Event	Backup device	Internal CD/DVD or USB drive(2 port)
Schedule	24hrs / 7days	S.M.A.R.T.	Temperature and health
<b>PLAYBACK</b>		<b>SERIAL&amp; I/O</b>	
Mode	Instant playback / search	Serial port	1 RS-232C, 2 RS-485
Search type	Time, Calendar, Event, Thumbnail, Smart	Sensor input	16 dry-contact
Block playback	24hours ~ 99days	Relay output	4 relay
<b>EVENT &amp; ALARM</b>		<b>CONTROLLER</b>	
Event source	MD(Motion Detection), sensor, video loss, text	Device	Front panel, IR remote, Joystick KBD, Mouse
Event check schedule	24hrs / 7days	<b>SOFTWARE</b>	
Event action	Buzzer, Relay, E-mail, Twitter, FTP, Alarm Pop-Up	Web viewer	Monitoring / Event / PTZ / Playback with IE
MD area	22x15(NTSC) or 22x18(PAL) grid	Java viewer	Monitoring / Event/ PTZ with Chrome, Firefox and Safari
Sensor input	Dry contact (N.O. or N.C. selectable)	Mobile viewer	Monitoring with PTZ, iPhone & Android supported
Text input	POS/ATM support, AVE VSI Pro/Hydra support	CMS	Control center standard, max 1024 DVRs
<b>SYSTEM ALARM</b>		SDK	ActiveX(COM) SDK
Alarm source	HDD fail, HDD almost full, fan fail, Password fail, WRS fail	<b>ENVIRONMENTAL &amp; PHYSICAL</b>	
Alarm action	Warning message, buzzer, e-mail, relay, twitter	Dimension	445(W) x 418(D) x 88(H) mm
<b>AUDIO</b>		Weight	Approx. 9.5 Kg (No HDD)
Input/output	16ch input / 1ch output	Operating temperature	5°C ~ 45°C (41°F ~ 113°F)
<b>PTZ</b>		Power	AC free voltage (100 ~ 240V), 50/60Hz
Protocols	35 models including C1080, C1080PT-Z20, Pelco-D, Pelco-P, Samsung, and Panasonic	Power consumption	Max. 75W Typical 50W
<b>NETWORK</b>		Approval	FCC, CE, MIC, RoHS
Interface	10/100 Ethernet		
Type	Fixed IP, Floating IP, xDSL		
WRS	Supported		
Bandwidth limit	Supported		
NTP	Server / Client / Both		
Users	10 monitoring, 2 playback		