GENUINE H.264 REAL-TIME STANDALONE DVR

MAINSTREAM PROFILE | DUAL STREAMING | CRYSTAL CLEAR VIDEO QUALITY

HDS-M5200AH series

360 x 288 (CIF) Real-time
4ch → 100(120) / 100(120) FPS (NTSC)
8ch → 200(240) / 200(240) FPS (NTSC)
16ch → 400(480) / 400(480) FPS (NTSC)

DVR FEATURES

- 4ch, 8ch & 16ch video inputs
- Mainstream profile H.264 guarantees crystal clear picture quality for live, recording and playback
- Superior compression ratio
- Pentaplex feature supports simultaneous operation of Live Monitoring, Recording, Playback, Networking & Archiving
- Records and plays with high-definition video
- Installation up to 3 x 1TB SATA HDDs
- Audio recording & playback (4/8/16 inputs)
- Archiving to USB Memory Stick, DVD-RW & External USB HDD
- User-friendly DVR GUI menu supports XGA resolution
- GMT Time Zone & NTP (Network Time Protocol) with DST (Daylight Saving Time) auto-adjustable, and system runs as NTP Server
- Control Device - USB Mouse, IR Remote Controller, Front Buttons, Virtual Keyboard & dedicated wired keyboard
- Up to 999 DVRs controlled by a IR remote controller and up to 255 DVRs controlled by a wired keyboard
- Network – DHCP, Static IP, DDNS, Bandwidth control & multi-user, Web Viewer & Mobile Viewer
- Dual streaming – two CODEC engines for DVR and network with different frames and video quality
- Manufacturer's own DDNS Server provides easy to use DDNS service
- E-mail notification with JPEG or Video Clip attachment
- Setup configuration can be loaded / saved via USB Memory Stick
- Link function allows link recording among the camera selected, alarm output, popup window, beep & e-mail notification simultaneously
- 19 inch standard rack mountable
- Special features : POS, ATM (→ Optional)

CMS FEATURES (CENTRAL MONITORING SYSTEM)

64 SPLIT CMS

REMOTE SETUP

EVENT SEARCH

- CMS program consists of 5 key applications below ;
  ① CMS
  ② E-Map editor
  ③ Estimator for recording period
  ④ WCS (Watermark Checking System)
  ⑤ EXT to AVI
- Connection & Registration
  - Registration up to 255 DVRs
  - 16 DVRs can be connected on a CMS at the same time
  - CMS consists of 64 split screens selected by the users among 256 cameras at maximum
  - 4 users login at the same time on a DVR
  - Family line-up series compatibly running on a same CMS program (HDS-M51XX, M510X, M52XX, HDS-M52XX, M62xx, HDS-M31xx)
- Remote monitoring & playback
- Support WYSIWYG type multi-site remote setup
- Remote Health Check for checking & reporting status of the DVR
- Remotely upgrading the firmware
- Event popup display & beep
- Covert Camera & PTZ control
- Two-way audio

WEB VIEWER

MOBILE VIEWER

Multi-Monitor CMS

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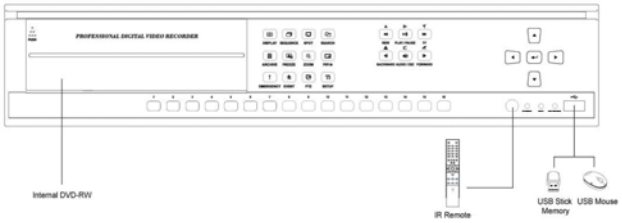
SPECIFICATIONS

		HDS-M5204AH	HDS-M5208AH	HDS-M5216AH
Compression		Mainstream profile H.264		
Signal Format		NTSC or PAL (Auto Selected)		
Video Input		Composite 4 BNC Inputs	Composite 8 BNC Inputs	Composite 16 BNC Inputs
Video Output		Main : Composite 1 BNC Output / VGA 1 D-sub Output 4 / 8 / 16 BNC looping outputs, 3 spot BNC outputs		
Display Resolution		720x480, 720x240, 360x240(NTSC) / 720x576, 720x288, 360x288(PAL)		
Sequence		Yes		
Recording Resolution		720x480, 720x240, 360x240(NTSC) / 720x576, 720x288, 360x288(PAL)		
Live Monitoring Frame Rate		360x240: 120 FPS(NTSC) / 360x288: 100 FPS(PAL)	360x240: 240 FPS(NTSC) / 360x288: 200 FPS(PAL)	360x240: 480 FPS(NTSC) / 360x288: 400 FPS(PAL)
Recording / Playback Frame Rate		360x240: 120 FPS(NTSC) / 360x288: 100 FPS(PAL)	360x240: 240 FPS(NTSC) / 360x288: 200 FPS(PAL)	360x240: 480 FPS(NTSC) / 360x288: 400 FPS(PAL)
Audio Input / Output		4 / 8 / 16 Inputs (RCA Jack) / 1 Output (RCA Jack)		
Alarm Input / Output		4 / 8 / 16 inputs / 4 / 8 / 16 outputs (TTL, Programmable as NC/NO)		
Ethernet / Network		10/100 Ethernet (RJ-45), DHCP / Static IP / DDNS, Bandwidth Control		
PTZ Control		RS-485/422 Serial Port 1 (Terminal Block)		
ATM / POS		USB		
USB Port		3 x USB (1 x Front Panel, 2 x Rear Panel)		
Recording Qualities		Super / High / Standard		
Recording Modes		Different record speed, resolution and compression ration setting on Continuous / Event / Emergency record modes & Schedule recording (continuous, alarm, motion, continuous + alarm, continuous + motion, continuous + alarm + motion)		
Pre-Alarm Recording		up to 10,800 Seconds / User Programmable		
Motion Detection		Yes (22 x 15 areas)		
Playback Speed		x1, x2, x4, x8, x16, x32, x64, Extreme		
Archive File Format		EXE (Video Clip) / JPEG (Still Image)		
Search	Date / Time Search	Yes		
	Calendar Search	Yes		
	Event Search	Yes		
User Interface	GUI	Yes (XGA Resolution)		
	Control Device	Front keypad / USB Mouse / Integrated Wired Keyboard (DVR & PTZ) / IR Remote Controller / Virtual Keyboard		
Multi Languages		English / Danish / Chinese / Japanese / Korean / Italian / French / Portuguese / Russian		
Operating System		Embedded Linux / in Flash Memory		
Remote Client	Web Client	Yes (maximum 16 cameras) / No required software installation / Live monitoring, search, playback and PTZ control only		
	CMS	Yes (Central Monitoring System / maximum 64 cameras)		
	Mobile Viewer	Yes (Windows Mobile 6.x or higher)		
	Remote Setup	Yes (CMS)		
	E-mail Notification	Yes (E-mail Event Notification : Video Clip, Still Image, E-mail Text)		
NTP Server		NTP server / GMT Time Zone / Auto Daylight Saving Time		
Emergency Record Key		Yes		
Primary Storage		SATA Hard Disk Drive (up to 3)		
Clip Copy Storage		DVD/CD-RW Driver, USB HDD, USB memory stick (Optional accessories : Sold separate)		
Watermark Check System		Yes		
Dimension (W x H x D)		430mm x 88mm x 400mm / 16.93inch x 3.46inch x 15.74inch / 19 inch rack mountable (option)		
Operating Temperature		5℃ ~ 40℃ / 41°F ~104°F		
Operating Humidity		0% ~ 90%		
Power Adapter		Free Voltage 12VDC / 5A, External adapter		
Power Consumption		Max 37W		
Agency Approval		FCC / CE		

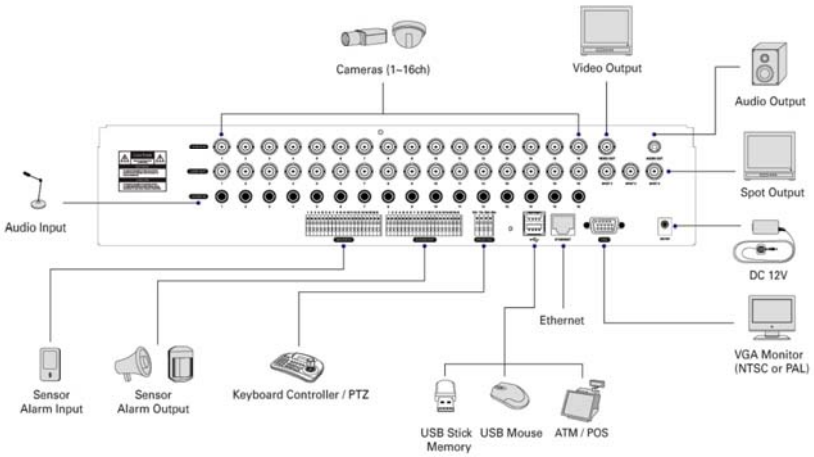
- Accessories (include system) : CMS software & manual CD, IR remote controller, Adapter
- Optional Items (sold separately) : DVD-RW driver, HDD, Wired keyboard, ATM or POS solution

SYSTEM CONFIGURATION

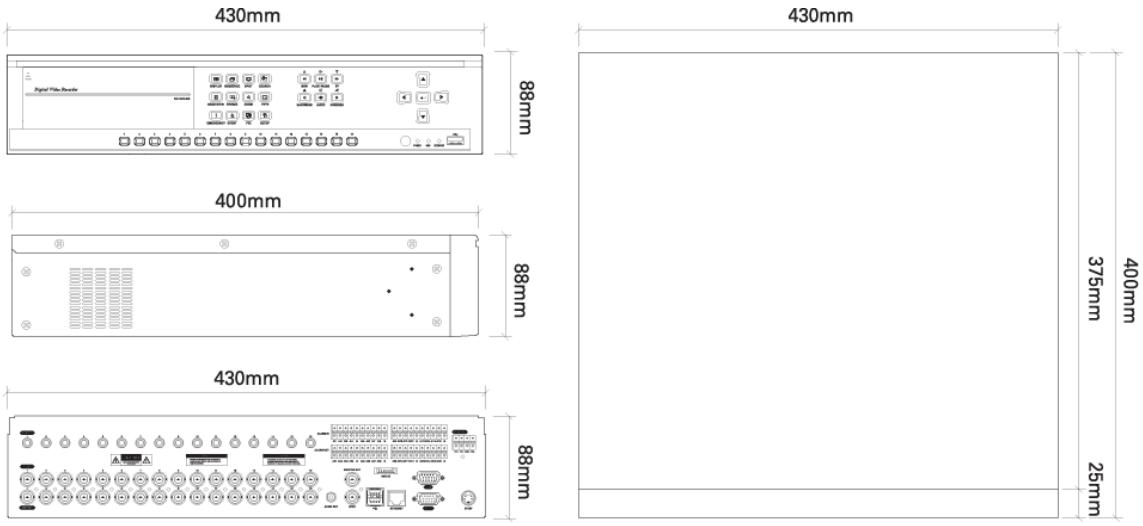
[Front]



[Rear]



DIMENSION

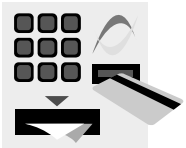


OPTIONAL ITEMS

DVD-RW

SATA HDD

PTZ KEYBOARD



POS / ATM

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