

## HD-TVI/HD-CVI/AHD//SD/960H

All-in-one Analog Full HD DVR  
1080p half-realtime recording & playback  
HDMI, VGA, Spot output, NAS support

## HVR-MD04A / MD08A / MD16A



### FEATURES

- 4/8/16 **all-in-one** Full HD analog realtime DVR
- HD-TVI/HD-CVI/AHD/SD/960H video format supported by automatic format detection (1080p/720p/960H/D1)
- **High quality video equalizer for long reach Full HD transmission**
- All channel real time live monitoring
- H.264 half realtime 1080p recording & playback (60fps@1080p for 4CH, 120fps@1080p for 8CH, 240fps@1080p for 16CH)
- **Configurable Advanced Mirroring(Dual Recording on 16ch)**
- **RAID 1 support for 16CH**
- Health checking (FAN speed & failure checking, Recording integrity & HDD S.M.A.R.T)
- **Dynamic Push Notification to iOS and Android**
- User Privilege to control the access on cameras/live/playback/copy etc.
- Panorama Search
- Integrated GUI for search, copy and playback
- Direct AVI formatting for Copy & Multiple channel backup as generic file format with embedded player
- Multiple GUI resolution adjustable to various monitor type (HDMI, VGA)
- Dedicated Network Streaming for live and playback
- HTTP based motion JPEG streaming by channel
- Low transmission latency to client viewer
- Date/time adjustment by DST, NTP
- 2-way full duplex audio
- Auto port forwarding(uPNP), DDNS, Login/out
- **Easy mobile connection (P2P)**
- Configurable resolution, quality & fps for network streaming directly from client
- RA(Remote Agent), VMS, CMS
- Web-based remote setup & viewer
- H264-based mobile device support: iOS/Android
- HDMI/VGA Simultaneous Output
- **CVBS output for spot or dual monitor**
- POS I/F Integration



# SECUS Advantage All-in-one DVR

MODEL		HVR-MD04A	HVR-MD08A	HVR-MD16A	Comment
OPERATION MODE		QUADPLEX			Live/Playback, Recording, Network & Copy
Live Display Speed(NTSC/PAL)		Realtime (120/100 fps)	Realtime (240/200 fps)	Realtime (480/400 fps)	
Recording & Playback	D1, 960H,720p	120/100fps	240/200fps	480/400fps	30(25)fps/ch, Configurable by each CH
	1080p	60/50fps	120/100fps	240/200fps	Configurable by each CH
Video Input	No of BNC	4 (Analogue HD/D1/960H)	8 (Analogue HD/D1/960H)	16 (Analogue HD/D1/960H)	Auto format detection
	Cable Distance	~ 700m with 1080p25/30			RG6 Copper Core Coaxial
		~ 400m with 1080p25/30			RG6 Steel Core Coaxial
Video Output	VGA	1 (up to 1920X1080)			
	HDMI	1(up to 1920X1080)			
	CVBS(BNC)	Dual Monitor/SPOT Output(NTSC/PAL)			
Screen Division	Live Mode	1,4	1,4,9	1,4,9,16	
	Playback Mode	1,4	1,4,9	1,4,9,16	
Audio In/Out		4 line in (RCA)/1 line out (RCA) & HDMI			
Alarm	Input / Output	Not supported			
	Interface	SATA2. 0			
Storage	HDD(Internal)	1	1	2	
	eSATA	Not supported			
Archive	Backup Device	USB Device (HDD, Thumb Drive), NAS & Remote via Network			
	Multiple channel	Raw data format, Support with the Embedded Player			
	AVI	Embedded AVI formatting with H.264			With SMI time-stamp file
USB Port		2 Ports			USB 2.0 EHCI
PTZ & CCTV Keyboard Interface		One RS485 ports			
Motion Detection Cells		64x48			
System Control		USB Mouse, External Keyboard Controller & HTTP API I/F, Front Key			
Network	Port	10M/100M	10M/100M	10M/100M	
	Protocols	DHCP, DDNS, P2P, uPNP, HTTP, NTP, SNMP, SMTP, Push Notification(iOS/Android)			
	No of Client	Max. 8			
Multi-Language		support			
Power		Adapter (12V/2A or lower)	Adapter (12V/2A or lower)	Adapter (12V/2A or lower)	TBD
Operating Temperature		5~40 °C / 20~80% RH			
Remote SW's		CMS /RMS / Web / MAC OSX / Android / iOS			
Dimension (WxDxH, mm)/ Weight		1U( 254 x 220 x 43 ) /1.2kgs	1U( 254 x 220 x 43 ) / 1.2kgs	1U( 325 x 247 x 51 ) / 1.7kgs	Product itself
<b>Advanced FEATURES</b>					
Dedicated network streaming	Live	H.264 with various resolution Size/Quality/FPS control from various viewer			
	Playback	CIF resolution			
Motion JPEG Streaming		HTTP, by Each Channel			
RAID		16ch support			
Search		Calendar/Time/Event/Panorama			
P2P/DDNS/Push Notification/E-mail		ns.dynamicmv.com/P2P server/Relay Server/Push Server/Embedded E-mail Service			Service on Self-developed Server
Event Notification	Event Type	Motion Detection, Video Loss, HDD S.M.A.R.T, Status & Error, Recording Status, POS			
	Action	E-mail with snapshot, Buzzer, Pop-up, Symbol, Push Notification			
PTZ Control		On RS-485, Pelco-C/D protocol compatible			
PoS I/F integration		Extendable up to 8 PoS Interface			Serial to USB
USER Privilege Set up		Live/Search & Copy/Network/PTZ/Camera			ADMIN Only Setup
Log In/Out Function		Login & Logout Control by Account			
Password Security		Periodically Password Refresh for all users			Period Configurable
Recording Time Limit		12Hour, 1/2/3/4/5/6Day, 1/2/3Week, 1/2Month			
Health Checking & Report		Periodical E-mail Report for HDD & Recording Status with various system info.			Period Configurable
System log		Log History, Backup available			
Privacy Zone Masking		Supported			TBD
Covert		Supported			
Advanced Video Detection Event		Camera Tampering, Camera Lens Blocking, Day/Night, Defocus			Per ch with 64x48 cells

