

## 4-CH D1/960H Realtime Digital Video Recorder



### Key Features:

- Embedded DVR of compact size, VESA mount ready
- 4-CH H.264 DVR with sixfold operation – record, live, playback, backup, control, & remote access
- H.264 High Profile video compression/decompression with configurable quality
- Max record capabilities – 960H/D1/Half-D1/CIF: 120/100FPS
- Max playback capabilities – 960H/D1/Half-D1/CIF: 120/100FPS
- Realtime live display, 30 (NTSC) / 25 (PAL) FPS, for each channel
- Digital Watermark
- 2-way audio capabilities
- Event recording, time-lapse recording or both
- Playback search by time or event (alarm, motion, & video loss)
- Smart search & playback
- Digital zoom, X2 & X4
- Audio in \* 1 / audio out \* 1
- HDMI \* 1, VGA \* 1, Main monitor \* 1
- 1 internal SATA hard drive
- Alarm in \* 2 / alarm out \* 1 (NC or NO)
- Support push alarm notification to mobile phones
- Ethernet and USB 3G dongle support for remote access through I.E. or proprietary remote software, e-mail alarm notification, FTP file storage, remote setup and software upgrade
- Free DDNS server
- Support remote PC with Windows 8/7, Vista, XP, and 2003
- 1 I.E./Firefox software for multiple DVRs
- Remote access through mobile phone/PDA/Mac/Tablet PC with free iPhone/iPad/Android software app.
- RS-485 for PTZ, keyboard control, POS, and GPS support
- USB2.0 \* 2 for mouse operation and video/audio backup to versatile USB2.0 storage devices
- Keypad, remote control, & mouse operation
- Multi-lingual support for setup and display
- Open system architecture for ease of access via network, RS-485 keyboard
- OCX SDK available for the integration with different applications

## Specification:

System	O.S	Embedded Linux 3.0
	Multiplex	Sixfold operation -simultaneous record, live, playback, backup, control, & remote access.
	Certificates	FCC, CE etc.
Video	Format	NTSC/EIA or PAL/CCIR
	Input	4-CH, BNC, 1Vp-p/75ohm
	Main Monitor	HDMI, with resolution 1920x1080, VGA, with resolution 1920x1080, BNC, 1Vp-p/75ohm
	Privacy Mask	Yes
	Loss Detection	Yes
	Motion Detection	Yes, with configurable detection area & sensitivity
Audio	Input	1 RCA-jack connector, line-in level (100mV-1Vrms)
	Output	HDMI, 1 RCA-jack connector, line-out level (up to 1Vrms)
Record	Frame rate (IPS) & Resolution	NTSC – 120@960H, 720*480/240, 360*240 PAL – 100@960H, 720*576/288, 360*288
	Watermark	Yes
	Compression	H.264 High Profile, Audio: ADPCM
	Mode	Manual/Schedule/Alarm/Motion
	Pre-record time	0-10 Seconds
	Post-record time	0-60 Minutes
Display	Resolution	HDMI/VGA – 1920*1080, NTSC – 720*480, PAL – 720*576
	Split Windows	1/4
	Frame Rate	Up to 30/25 IPS per display window
	Digital zoom	X2, X4
	Sequential Switch	User adjustable
Playback	Frame rate (IPS) & Resolution	NTSC – 120@960H, 720*480/240, 360*240 PAL – 100@960H, 720*576/288, 360*288
	Search	Smart search, Date/time, Camera, Alarm, Motion, & Video Loss
	Operation	Play, Fast Forward, Backward, Pause, Stop, etc. Remote I.E. and HEM can also Print
Storage	HDD	1 set of 3.5" SATA type HDD with storage > 3TB Advanced format HDD supported Failure detection supported Privacy law supported
	Partitions	Configurable alarm partition size Configurable auto-overwrite or not
	Backup	1 USB 2.0 port for USB 2.0 storage devices Self playback for backup files
Alarm	Input (option)	2 contact or TTL/CMOS signal, polarity selectable
	Output (option)	1 Normally Open or Normally Closed relay output
	Buzzer	Yes
	Triggered by	Sensor input, Video loss, & Motion
Network	Event log	Yes
	Ethernet	1 RJ-45 10/100BaseT Ethernet connector
	USB 3G Dongle	Yes
	DDNS	Free DDNS server
	E-mail	Alarm notification to stationary or mobile devices
	FTP	Alarm video/audio file storage
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP
Remote users	Up to 8 users simultaneously	
Remote stations	PC, Mac, mobile phone, PDA, and/or tablet PC with free iPhone/iPad/Android software app.	

	Web	Remote setup, monitoring, backup, alarm notification, & remote software upgrade Support Windows 8/7, Vista, XP, and 2003 1 I.E./Firefox for multiple DVRs Configurable HTTP/e-mail/FTP/Ctrl/Data port
Control	I/R	1 remote controller with optional extension
	RS-485 (option)	2-pin for keyboard and/or PTZ control
Setup	Local	On screen setup via keypad, remote controller, USB mouse, and/or RS-485 keyboard controller
	Remote	Setup & upload via Windows application software
	Multi-lingual	Yes
Reliability	System recovery	Auto power on after power loss recovery
	Watch Dog Timer	Yes
	Timer	Built-in real time clock
	Security	Multi-level password (4 levels, up to 18 accounts) protection with authentication key for remote access
Weight & Measures	Dimension	185(W) x 195(D) x 44(H)mm
	Weight	1.2 KG (without HDD)
Power	Source	+12VDC
	Consumption	30W Max.
Operating Temperature		0°C ~ +40°C

\* The specifications are subject to change without notice.