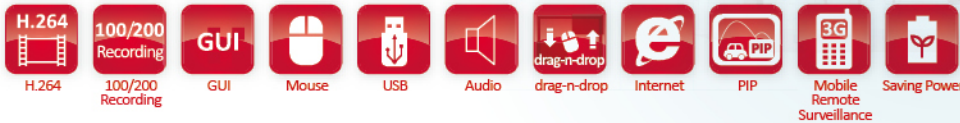


# DVR 004S

- ⊕ H.264 video compression engine
- ⊕ Full D1 H.264 video supported
- ⊕ Low-power consumption design and VESA compliant LCD monitor power saving
- ⊕ Built-in 3D de-interlace and vivid image enhancement VGA engine
- ⊕ HTTP web-based interface including DVR configuration, PTZ control, playback, and live monitoring
- ⊕ Up to 120(NTSC)/100(PAL) frames per second for video playback
- ⊕ Single remote controller addressing multiple DVR design
- ⊕ Frame rate and video quality configurable each channel
- ⊕ 1-channel audio input and 1 audio output
- ⊕ Secured power adapter lock
- ⊕ Daylight saving time (DST)



Merit LILIN DVR004S is designed to meet the demands for outstanding H.264 full D1 video recording quality, low power consumption, and cost-effective digital video recording systems.

Low-power consumption design and VESA compliant LCD monitor power saving technologies minimize energy consumed by 24-hour long-term operations. Video data file recovery and monitoring technologies secure the data file from power failure. Various backup plans include DVD/RW drive, USB flash disk, and HTTP file downloadable.

Powerful H.264 video compression technology, complete storage and backup plans, full digital and analogue system solutions, and easy-to-use user interface, the new Merit LILIN H.264 standalone digital video recorder is the only choice for surveillance system.

### Free CMX

#### Remote Device Manager

- Remote alarm setup
- Remote device setup
- Remote device status

#### NVR Central

- H.264 AVC full D1 recording
- User access level
- Grouping monitoring
- Smart search
- PTZ control
- Audio monitoring

#### eMap Manager

- eMap
- Live monitoring alarm triggering
- Alarm snapshots
- Device find
- PTZ control

#### Database Manager

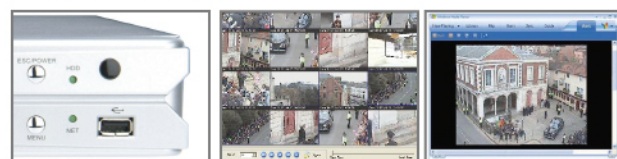
- Event and alarm management
- Network status report
- Database maintenance
- Database import & export
- Reports

#### Web Manager

- Remote IP camera and DVR web-based video monitoring
- Grouping monitoring

### File Backup

- HTML file download
- USB flash disk
- AVI or H.264 file



USB 2.0 Port    H.264 file    AVI

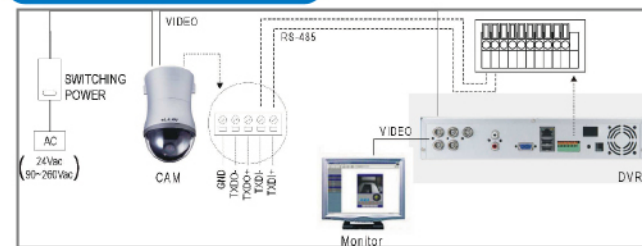
Full D1 Quality

Lower Power Consumption

### Hard Disk Recording Table

Recording Quality	Very High		High		Normal		Low	
	Picture Size	KB/Pic	KB/Pic	KB/Pic	KB/Pic	KB/Pic	KB/Pic	
120 GB	8.2	Days	5.8	Days	2.9	Days	1.6	Days
250 GB	3.7	Days	5.2	Days	10.5	Days	19.0	Days
400 GB	5.9	Days	8.4	Days	16.7	Days	30.3	Days
500 GB	7.4	Days	10.5	Days	20.9	Days	37.9	Days
750 GB	11.1	Days	15.7	Days	33.0	Days	56.9	Days
1000 GB	14.8	Days	20.9	Days	41.8	Days	75.9	Days
2000 GB	29.6	Days	41.8	Days	83.7	Days	151.7	Days
4000 GB	59.2	Days	83.7	Days	167.4	Days	303.4	Days

### System Architecture



### Graphic User Interface

Setup menu is designed in graphic user interface. The menu contains setting for camera, monitor, record, alarm, system, network, PTZ, and backup.



### Specifications

⊕ Digital Video Recorder (DVR)	
Type	H.264
Model	DVR004S
Recording medium	SATA HDD internal * 1
Recording mode	External alarm / motion detection / schedule / manual
Speed	PAL: 25 Full D1/Sec, 50 Field/Sec, 100 CIF/Sec NTSC: 30 Full D1/Sec 60 Field/Sec or 120 CIF/Sec, 1.2 to 8.2 KB/CIF
Resolution	720 * 480 (D1) / 720*240 (Field) / 320*240 (CIF)
Schedule	7 day * 24 hrs time table, recording mode configurable
External RAID	None
Frame rate	Configurable for each channel
Backup	USB 2.0 flash disk / HTTP
DVD/RW drive	None
DVD/CD format	None
Playback	Manual record, time search, event search, date search
Speed	FR: 2x, 4x, 6x / FF: 2x, 4x, 6x
Compression	H.264
Video Input	BNC * 4 (1Vp-p, 75 Ω )
Camera name	12 characters
Secured video	Yes
Live	PAL: 100 FPS NTSC: 120 FPS
Channel editing	Mouse drag-n-drop
Video Out	1 BNC (1Vp-p, 75 Ω )
VGA output	3D intellectual motion adoptive refinement with vivid image enhancement VGA engine
VGA power saving	VESA compliant
Multiplexer	Sequence / digital zoom / freeze
Split screen	4, PIP
Alarm	Alarm in * 4 / out * 2 (NO/NC)
Motion	Motion grid 30*24 each channel, 8 sensitivities, motion tracer
Event	External alarm, video loss, stop recording, power recovering, motion detection, schedule, logon, HDD format, HDD failure
Accessories	Remote controller addressable up to 255 DVRs
P/T/Z protocol	Multi-Protocol, remote controller and mouse controllable via RS-485
Mouse	USB, drag-n-drop, right-mouse-click, mouse wheel.
Audio	RCA * 1 input / RCA * 1 output (0.7Vp-p, 300 Hz to 3KHz)
Remote controller	Included
Network	Direct Internet browser access / multiple users access / free CMX / audio
Protocols	ARP / TCP/IP / HTTP / SMTP / DDNS / PPPoE
Web setup	Full features with remote firmware upgradeable
API	HTTP API / ActiveX / SDK supported
Web	Live / event log & time search playback / AVI / snapshot
IPScan	Supported, easy-to-setup for IP address
Other	User authentication: three level: admin, operator, and guest, feature configurable
WDT	Hardware watchdog timer
DST	Daylight saving time
LRA	Limited recording access
Multilanguage	English, Chinese, Spanish, Danish, Swiss, Norwegian, Arabic, Japanese, Germany, French, Polish, Portuguese, Russian
Remote controller	Yes
CPU/OS	32-bit RISC Processor, 333 MHz/ Linux 2.6 Kernel
Power supply	12V ± 10%
Power consumption	40W
Working Env.	Temp: 0°C ~ + 50°C / Humidity: 0%~80%
Dimension	290 mm x 330 mm x 55 mm
Weight	2.0 Kg w/o HDD