

DVR

Design and specifications are subject to change without notice. 79

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.

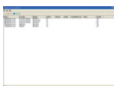
Low-power consumption design and VESA compliant LCD monitor power saving technologies minimize energy consumed by 24-hour long-term operations. Video data file recovery and monitoring technologies secure the data file from power failure. Various backup plans include DVD/RW drive, USB flash disk, and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



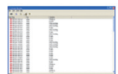
eMap Manager

- 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

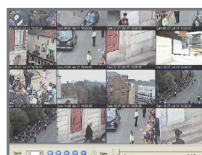


File Backup

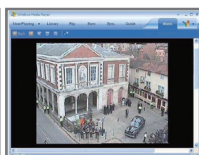
- HTML file download
- USB flash disk
- AVI or H.264 file



USB 2.0 Port



H.264 file



AVI

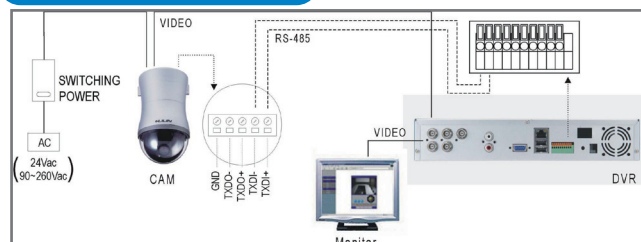
Full D1 Quality

Lower Power Consumption

Hard Disk Recording Table

Recording Quality	Very High	High	Normal	Low
Picture Size	8.2 KB/Pic	5.8 KB/Pic	2.9 KB/Pic	1.6 KB/Pic
120 GB	1.8 Days	2.5 Days	5.0 Days	9.1 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

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PVH AH264

- Technology: H.264 Hardware real time compression / decompression
- Resolution: 704 x 480 (NTSC) / 704 x 576 (PAL)
- Recording: 10 Levels Adjustment available
- Audio Recording: 24Kbps ADPCM recording mode
- Live Audio Monitoring
- Internet Function
- File Backup Function: Support USB disk for backup or retrieve files from appropriate remote software
- Playback backup files: Playback using LILIN Player (V5.4 or above) directly from a computer
- Firmware Update: Firmware update available



PVR-AH264 uses the most advanced H.264 video compression technology. It has the good video quality, and the high dynamic range video compression rate 40:1~240:1 (automatically adjusted according to the video condition). Compared with the other compression format, H.264 has the longer recording period so it will save the cost of storage and avoid the burden of replacing the HDD frequently.

Useful functions include live real-time audio, multiple alarm triggers such as motion detection & motion tracer, 3~5 pre alarm recording... ect. PVH-AH264 is fashion in the shape, small in the cubage, easy to use and convenient to install. It is the perfect solution for various application especially the locations with limited spaces.

Recording Speed

- 240MAX ~ 200MIN fps(NTSC)
- 200MAX ~ 167MIN fps(PAL)

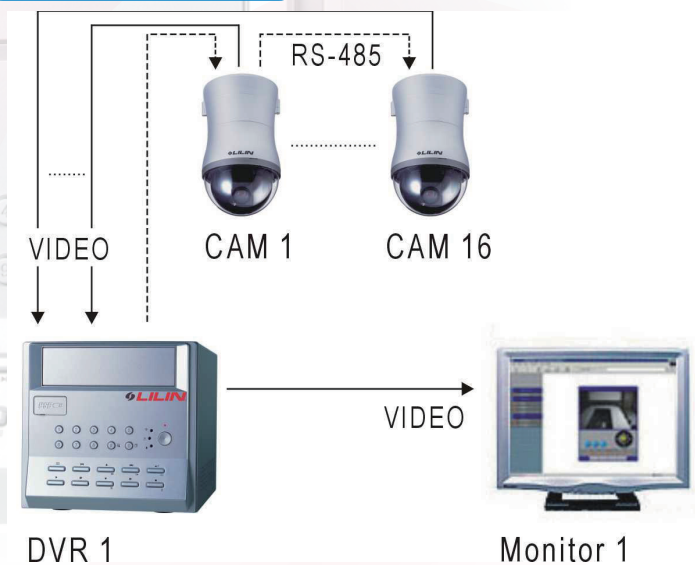
Multi-task Capability

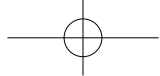
Supports Recording, Playback, Remote Monitoring and Live Monitoring at the same time.

S.M.A.R.T.

Smart Monitoring, Analysis, and Reporting Technology. System will auto detect, analysis and reporting the status of HDD.

System Architecture





Specifications

⊕ Digital Video Recorder (DVR)	
Type	H.264
Model	PVH-AH264
Channel	16
System	Standalone, Linux
Built-in DVD/CD	Optional
Removable HDD tray	None
Internal HDD support	2
HDD supported	IDE
External RAID support	None
Recording	H.264
Speed	PAL: 167~200FPS ; NTSC: 200~240 FPS
Resolution	PAL: 704 x 576 / NTSC 704 x 480
Schedule	Time, daily, weekly
Audio Backup	Yes
Video Input	
Looping	None
Channel Editing	None
Video Out	1 BNC (1Vp-p, 75 Ω)
VGA output	1024 x 768
Split screen	1, 4, 8, 16
Spot	None
Alarm	
Motion	Area x 4
Pre-recording	3~5 secs / Yes
Accessories	
Keyboards	None
Jog & shuttle	None
Mouse support	Yes
Audio	RCA x 16 inputs / RCA x 1 output
Network	
Remote firmware upgrade	None
Web	Yes
Two-way audio	None
Mobile/PDA support	None
DST	None
Multilanguage	English, Chinese
Power	AC 115V 4A/230V 2A
Dimension	340 mm (w) x 205 mm (d) x 190 mm (h)

PVH-AH264 is not for US, Turkey and Mexico Market

CAMERA

FAST DOME & ACCESSORY

DVR & ACCESSORY

IP PRODUCT

HOUSING & BRACKET

SCANNER & CONTROLLER

MATRIX & KEYBOARD

MONITOR

Design and specifications are subject to change without notice. 83

PDR 6164

- ❖ Technology: MPEG-4 compress engine
- ❖ VGA engine: Built-in VGA with intellectual motion adoptive refinement and vivid image enhancement
- ❖ Frame rate: configurable for each channel
- ❖ Schedule: time, daily, weekly, monthly
- ❖ Playback search by time search, event search, and record search
- ❖ Easy-to-use jog, shuttle, mouse, IR remote controller
- ❖ User authentication: Three level- admin, operator, and guest
- ❖ Firmware update: firmware upgrade via USB, network
- ❖ Audio: 16 CH, two way audio
- ❖ Multi-task capability: Supports recording, playback, monitoring, back up and network at the same time
- ❖ Remote access: Live video, video capturing, audio monitoring, playback and download, firmware upgrade, event notification from remote DVR
- ❖ Free CMS: CMS network connection consists of total 16 groups. Each group has maximum 16 viewing channels can be allocated to connect up to 16 DVRs.
- ❖ Back up: Backup plans include DVR/RW, USB flash disk and remote file download.



High Recording Quality Easy-to-Use DVR

PDR-6164 standalone MPEG4 DVR supports pentaplex features including recording, playback, monitoring, back up & network operate simultaneously. The real time recording rate 400/480 fps, configurable for each channel, provides high video quality. Powerful network functions include live Monitoring, remote configuration, PTZ control, backup, and remote video searching. User friendly GUI can be easily operated by machine panel, mouse and remote controller.

Multi-task Capability

Supports Recording, Playback, Monitoring, back up and network at the same time.

Remote Access

- Live video
- Video capturing
- Audio monitoring
- Playback and download
- Firmware upgrade
- Event Notification from remote DVR

Graphic User Interface

Setup menu is designed in graphic user interface. The menu contains setting for system, display, recording, event, schedule, network, backup and HDD.



Free CMS

CMS network connection consists of total 16 groups. Each group has maximum 16 viewing channels. Each viewing channel can be assigned by different IP address. It means that each viewing channel can be allocated to connect up to 16 DVRs.



File Backup

- DVD/RW
- USB flash disk
- AVI file



DVD / RW

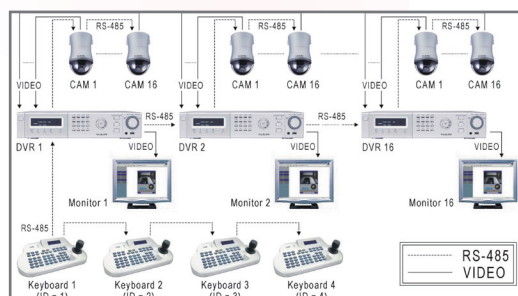
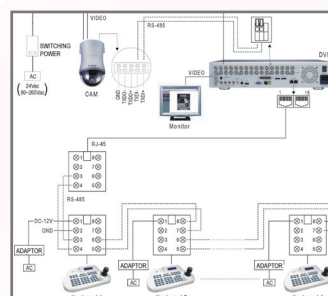
USB 2.0 Port

AVI

Specifications

⊕ Digital Video Recorder (DVR)		
Type	MPEG-4	
Model	PDR-6164A	PDR-6164S
Channel	16	16
System	Standalone , Linux	
Built-in DVD/CD	DVD-RW	None
Removable HDD tray	None	
Internal HDD support	2	
HDD supported	SATA	
External RAID	None	
Recording	MPEG-4	
Speed	NTSC : 480 FPS , PAL : 400 FPS	
Resolution	720 x 480 (Frame) / 720 x 240 (Field) / 320 x 240 (CIF)	
Schedule	Time, Daily, Weekly, Monthly	
Audio Backup	Yes	
Video Input	BNC x 16 (1Vp-p 、 75 Ω)	
Looping	BNC x 16 (1Vp-p 、 75 Ω)	
Channel Editing	None	
Video Out	BNC x 16 (1Vp-p 、 75 Ω)	
VGA Output	800 x 600 image enhancement VGA engine	
Split screen	4 、 9 、 16	
Spot	Spot x 1	
Alarm	Alarm in x 16 / Alarm outputs x 4 (NO/NC)	
Motion	Motion grid	
Pre-recording	Yes	
Accessories		
P/T/Z protocol	LILIN MLP2	
Keyboards	None	
Jog & shuttle	FF, FR, Step, Instant rewind, Menu setup	
Mouse support	Yes	
Audio	RCA x 16 inputs / RCA x 1 output	
Network		
Remote firmware upgrade	Yes	
Web	Live	
Audio	Yes	
Mobile/PDA Support	None	
DST	Yes	
Language Support	English, Chinese, Turkish, Spanish, Italian, Portuguese, Polish, Russian	
Power	AC 90V ~ 260V Adapter 、 6.7A	
Dimension	434mm(w) x 411.4mm(d) x 88mm(h)	

System Architecture



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PDR 6160/6080/6040

- ✦ MPEG-4 Noise Reduction Filter
- ✦ Live Viewing 480/400 fps
- ✦ Graphic User Interface
- ✦ Channel Editing by Mouse
- ✦ Picture in Picture
- ✦ DVD R/W Supported
- ✦ FTP Download
- ✦ Up to 2TB/4TB
- ✦ Web Interface W/Full Access



Easy-to-Use DVRs with Web-Base Interface

Our latest DVRs are packed with top-of-the-line features that allow them to store data more efficiently while remaining simple for users to operate. They are equipped with noise reduction filters which reduce the file size of video images captured at night. They also feature web-based interfaces, and can even carry out backup operations via FTP, logging video files as AVI or MPEG-4 files. and jog/shuttle wheels, joysticks and mouse controls make configuration a snap.

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

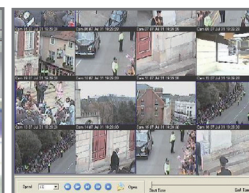
- Remote IP camera and DVR web-based video monitoring
- Grouping monitoring

File Backup

- HTTP or FTP download
- HTML file download
- USB flash disk
- DVD/RW
- AVI or MPEG4 file



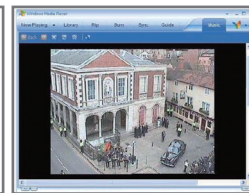
DVD / RW



MPEG-4 file



USB 2.0 Port



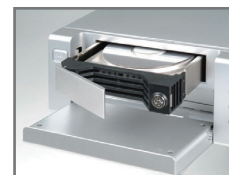
AVI

Hard Disk Recording Table

Recording Quality	Very High		High		Normal		Low	
HDD Picture Size	8.2	KB/Plc	5.8	KB/Plc	2.9	KB/Plc	1.6	KB/Plc
120 GB	1.8	Days	2.5	Days	5.0	Days	9.1	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

HDD Support

- SATA RAID supported
- HDD compatible with Western Digital & Seagate

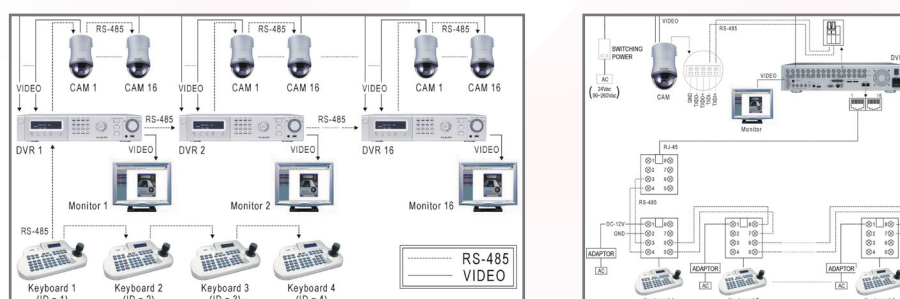


SATA RAID

Specifications

⊕ Digital Video Recorder (DVR)						
Type	MPEG-4					
Model	PDR-6160A	PDR-6160S	PDR-6080A	PDR-6080S	PDR-6040A	PDR-6040S
Channel	16	16	8	8	4	4
System	Standalone , Linux					
Built-in DVD/CD	DVD-RW	None	DVD-RW	None	DVD-RW	None
Removable HDD tray	1	None	1	None	1	None
Internal HDD support	1	2	1	2	1	2
HDD supported	SATAx2	SATAx2	SATAx2	SATAx2	SATAx1	SATAx2
External RAID	SATA Ports x 2		SATA Ports x 2		Seaport x 1	
Recording	MPEG-4					
Speed	NTSC : 120 FPS , PAL : 100 FPS					
Resolution	720 x 240 (Field) / 320 x 240 (CIF)					
Schedule	7 days x 24 hrs, Recording mode configurable					
Audio Backup	Yes					
Video Input	BNC x 16 (1Vp-p 、 75 Ω)		BNC x 8 (1Vp-p 、 75 Ω)		BNC x 4 (1Vp-p 、 75 Ω)	
Looping	BNC x 16 (1Vp-p 、 75 Ω)		BNC x 8 (1Vp-p 、 75 Ω)		None	
Channel Editing	Mouse drag-n-drop					
Video Out	1 BNC (1Vp-p 、 75 Ω)					
VGA Output	800 x 600 image enhancement VGA engine					
Split screen	4 、 8 、 9 、 13 、 16 、 PIP		4 、 9 、 PIP		4 、 PIP	
Spot	Spot with quad output				None	
Alarm	Alarm in x 16 / Alarm outputs x 2 (NO/NC)		Alarm in x 8 / Alarm outputs x 2 (NO/NC)		Alarm in x 4 / Alarm outputs x 2 (NO/NC)	
Motion	Motion grid 30 x 24 each channel, 8 sensitivities					
Pre-recording	Pre-alarm recording (up to 160 images)					
Accessories	Remote controller addressable up to 255 DVRs					
P/T/Z protocol	Multi-Protocol, remote controllable via Web				RS-232	
Keyboards	Keyboard addressable up to 255 DVRs				None	
Jog & shuttle	FF, FR, Step, Instant rewind, Menu setup				None	
Mouse support	USB/PS-2, drag-n-drop, right-mouse-click, mouse wheel					
Audio	RCA x 4 input / RCA x 1 output (0.7Vp-p, 300 Hz to 3KHz)					
Network	Direct Internet browser access / Multiple user access / Free NVR / Audio					
Remote firmware upgrade	Yes					
Web	Live / Event log & Time search playback / AVI / Snapshot					
Audio	One-way Audio					
Mobile/PDA Support	None					
DST	Yes					
Language Support	Chinese, English, Spanish, Danish, Swiss, Norwegian, Arabic, Japanese, Germany, French Polish					
Power	AC 110V ~ 220V Max 、 135W					
Dimension	434mm(w) x 411.4mm(d) x 88mm(h)				434mm(w) x 364.3mm(d) x 52.8mm(h)	

System Architecture



Design and specifications are subject to change without notice. 87

PDR 2160

- ✦ Built-in CD/RW for backup
- ✦ ISO-9660 compatible CD with plug and play
- ✦ HTTP web-based interface including remote PTZ, playback, and live monitoring
- ✦ Up to 120 CIF playback speed
- ✦ 7 days, 24 hours grid scheduling for alarm/motion, continuous, and stop recording
- ✦ 4 matrix spot outputs (PDR-2160A) with OSD support
- ✦ 2 main outputs with built-in multiple features for split monitoring
- ✦ 1-channel audio input and output for recording
- ✦ Simultaneous recording, playback, CD/RW backup, network, and live monitoring
- ✦ 2 external SATA II ports for external SATA II RAID up to 4TB recording capability
- ✦ 16x12 motion detection grids
- ✦ Portable USB 2.0 flash disk and external USB 2.0 CD/RW backup
- ✦ Easy-to-use jog, shuttle, and 3D joystick controlling setup and playback menus



The new PDR-2160 is a high performance standalone 16 Channel Digital Video Recorder (DVR) designed to perform multiple features such as recording, playback and remote surveillance simultaneously.

The unique portable USB drive and the built-in CD-RW further enhances the DVR, enabling the user download recorded images and upgrade firmware.

Featuring real time display at 480/400 frames per second, the PDR-2160 delivers incredible performance and functionality

Full Web Access

A user can use internet browser to get live and stored video via internet. The web access includes:

- DVR configuration
- PTZ control
- Playback
- Live monitoring
- Remote file download



Hyper Link Panel
Video Display Control
Split Display Panel
PTZ Control Panel
Camera Control Panel

File Backup

- CD-RW
- USB flash disk
- SATA II Port x 2 (Integrate PHS-100 e-STAT RAID)



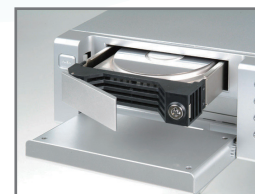
DVD / RW USB 2.0 Port



SATA II Port

HDD Support

- SATA RAID supported
- HDD compatible with Western Digital & Seagate



SATA RAID

Hard Disk Recording Table

120GB Hard Disk Recording Table

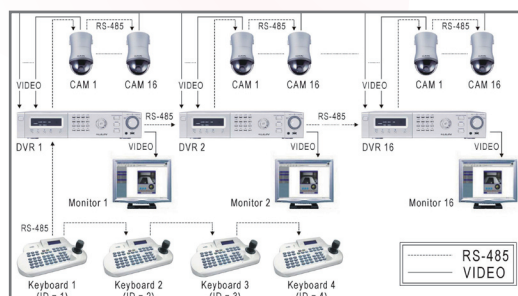
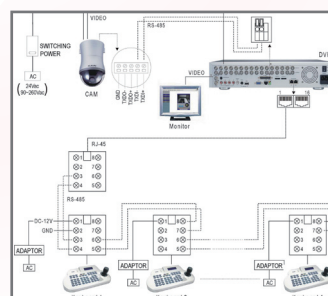
Resolution	FPS	Recording Quality			
720 x 288		PAL			
		Very High	High	Normal	Low
	50	17 hrs	21 hrs	41 hrs	64 hrs
	25	35 hrs	41 hrs	82 hrs	127 hrs
	12	73 hrs	86 hrs	171 hrs	265 hrs
	10	87 hrs	103 hrs	206 hrs	318 hrs
	5	175 hrs	206 hrs	411 hrs	636 hrs
	3	291 hrs	343 hrs	685 hrs	1059 hrs
	2	437 hrs	514 hrs	1028 hrs	1589 hrs
	1	874 hrs	1028 hrs	2056 hrs	3178 hrs

Resolution	FPS	Recording Quality			
720 x 240		NTSC			
		Very High	High	Normal	Low
	60	15 hrs	17 hrs	34 hrs	53 hrs
	30	29 hrs	34 hrs	69 hrs	106 hrs
	20	44 hrs	51 hrs	106 hrs	159 hrs
	12	73 hrs	86 hrs	171 hrs	265 hrs
	5	175 hrs	206 hrs	411 hrs	636 hrs
	3	291 hrs	343 hrs	685 hrs	1059 hrs
	2	437 hrs	514 hrs	1028 hrs	1589 hrs
	1	874 hrs	1028 hrs	2056 hrs	3178 hrs

Specifications

⊕ Digital Video Recorder (DVR)		
Type	M-JPEG	
Model	PDR-2160AS	PDR-2160SS
Channel	16	16
System	Standalone , Linux	
Built-in DVD/CD	CD-RW	CD-RW
Removable HDD tray	1	1
Internal HDD support	1	
HDD supported	SATA x 2	
External RAID	SATA Ports x 2	
Recording	Modified M-JPEG	
Speed	NTSC : 120 FPS ; PAL : 100FPS	
Resolution	720 x 240 (Field) / 320 x 240 (CIF)	
Schedule	7 days x 24 hrs	
Audio Backup	None	
Video Input	BNC x 16 (1Vp-p 、 75 Ω)	
Looping	BNC x 16 (1Vp-p 、 75 Ω)	None
Channel Editing	None	
Video Out	1 BNC (1Vp-p 、 75 Ω) x 2	
VGA Output	800x600 to 1280x768	Optional
Split screen	4 、 8 、 9 、 13 、 16	
Spot	4 matrix outputs	None
Alarm	Alarm in x 16 / Alarm outputs x 2 (NO/NC)	
Motion	16x12 motion grid, 5 sensitivity levels	
Pre-recording	None / Yes	
Accessories	Remote controller addressable up to 255 DVRs	
P/T/Z protocol	Multi-Protocol	
Keyboards	Keyboard addressable up to 255 DVRs	
Jog & shuttle	Setup & playback menu controllable	
Mouse support	None	
Audio	RCA x 4 inputs / RCA x 1 output	
Network	Direct Internet browser access	
Remote firmware upgrade	None	
Web	Yes	
Audio	None	
Mobile/PDA Support	None	
DST	None	
Language Support	Chinese, English, Spanish, Italian, Japanese, French, Germany, Polish	
Power	AC 90V ~ 260V Max 、 135W	
Dimension	434mm(w) x 411.4mm(d) x 88mm(h)	

System Architecture



Design and specifications are subject to change without notice. 89

PVH DVR 16PE/8PE/4PE

- ✦ Linux Operating System
- ✦ Intelligent Motion Detection
- ✦ System On chip, High Stability Design
- ✦ MPEG-4 Compression
- ✦ Real Time Live Display
- ✦ Up to 120 fps Recording Speed
- ✦ PTZ Camera Control
- ✦ Up to 1.75TB Internal Storage(Optional)
- ✦ Remote Control via LAN/PSTN/INTERNET
- ✦ Easy Data Backup
- ✦ Password Protection
- ✦ Recorded Data Protection
- ✦ Watch Dog Function



PVH-DVR-16PE



PVH-DVR-4PE/8PE



Our Linux Based DVR adopts System On Chip technology, storing the Linux Operating System on chip, retaining system integrity even if the hard disk is damaged or wiped. This ensures unrivalled stability for security applications; additionally the system applies one processing chip per camera to produce the best possible picture quality in both split and full screen display.

Intelligent motion detection can be configured for each channel, maximizing disk efficiency by ignoring periods of non-activity. The data search function provides quick image search and easy playback.

The Linux DVR also integrates network compatibility; the digital images can be transmitted via the internet and viewed by a web browser without any additional software. Remote monitoring and control are no different than operation on the system itself.

The Linux Based DVR is an extremely stable product simple network connection and easy data backup, providing the ultimate digital recording system available in the world today.

Remote Surveillance

- Remote Control and View via Win CE PDA
- Remote Control and View via PSTN, LAN and INTERNET by using a web browser
- No need to change browser safety level
- All the system settings can be done at the remote site

Data Storage

- Recorded data is stored on SATA hard disk
- Optional for internal RAID5/RAID6 up to 8 HDD bays.
- Optional external disk array available

Multi-task Capability

- Triplex (Recording, Viewing, Playing)
- Recording speed unaffected during playback
- Multiple remote viewings at the same time
- Remote Network viewing by multiple users

Recording Speed

- 120 fps
- 240 fps(optional)

Easy Data Backup

- 1.44 floppy
- CD-RW (4CH & 8CH)
- USB-ZIP (optional)
- Network storage (NAS)
- DVD (optional)

Camera Display

- Real Time Display
- Real time display up to 480 frames/sec
- 16 Video Inputs
- 1, 4, 9, 16 programmable split-screen views



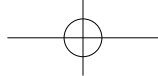
Options

PMH-Z3	Watch Dog Capture Card
MB-DVR-2	128MB DOM with Software
MB-DVR-5	8-Bay Raid 5 (IDE DISKARRAY KIT)
PMH-Z4	GPIO Card (input Output * 4, Relay Output * 4)
PMH-Z5	GPIO Card (input Output * 16, Relay Output * 16) + 4U CASE MODIFIED
PMH-Z8	GPIO Card (input Output * 16, Relay Output * 16)

Specifications

⦿ Digital Video Recorder (DVR)			
Type	PC Based		
Model	PVH-DVR-16PE	PVH-DVR-8PE	PVH-DVR-4PE
Channel	16	8	4
System	PC-based Linux		
Built-in DVD/CD	DVD/RW	Optional	
Removable HDD tray	None		
Internal HDD support	2		
HDD supported	SATA		
External RAID	Expandable up to 6 HDD or RAID 5	None	
Recording	MPEG-4		
Speed	NTSC : 120 FPS ; PAL: 100 FPS	NTSC : 100 FPS ; PAL : 83 FPS	
Resolution	Field / CIF / QCIF		
Schedule	Daily, Weekly, Monthly		
Audio Backup	None		
Video Input	BNC x 8 (1Vp-p 、 75 Ω)		BNC x 4 (1Vp-p 、 75 Ω)
Looping	None		
Channel Editing	None		
Video Out	1 BNC (1Vp-p 、 75 Ω)	SVGA output.	
VGA Output	640 x 480		
Split screen	1 、 4 、 9 、 16	1 、 4 、 8	1 、 4
Spot	None		
Alarm	Optional		
Motion	Area x 6		
Pre-recording	None / Yes		
Accessories			
P/T/Z protocol	LILIN MLP1		
Keyboards	None		
Jog & shuttle	None		
Mouse support	Yes		
Audio	None		
Network	Direct internet browser access		
Remote firmware upgrade	None		
Web	Yes		
Audio	1 Channel		
Mobile/PDA Support	PDA		
DST	None		
Language Support	English, Chinese, French, Italian		
Power	AC 117V / 230V		
Dimension	510mm(w) x 178mm(d) x 485mm(h)	360mm(w) x 145mm(d) x 345mm(h)	

Design and specifications are subject to change without notice. 91



LILIN DVR & ACCESSORY

PSH 100



Specifications

⊕ PSH-100 Stand-alone e-STAT RAID hard disk storage system

Support RAID-0, RAID-0+1, and NRAID modes

Easy-to-use without complicated system setting, and Plug-and-play design allows interfacing with a DVR or a PC via SATA cable.

Transfer Rate: 150MB / sec

Up to 2TB hard disk space at RAID-0 and 1 TB at RAID-0+1

Plug-and-play design allows interfacing with a DVR or a PC via SATA cable

O.S Independent: Mac 10.2, Windows 2000/2003/XP, OS Independent (SATS)

Power Supply: AC90 ~ 260V Max., 85W

Dimension: 470(L) x 434(W) x 45(H)mm

CAMERA

FAST DOME & ACCESSORY

DVR & ACCESSORY

IP PRODUCT

HOUSING & BRACKET

SCANNER & CONTROLLER

MATRIX & KEYBOARD

MONITOR