

## Specifications

### VIDEO

Signal Format	NTSC or PAL (programmable)
Video Input	Composite: 16 inputs, 1Vp-p, selectable 75 Ohms or high-z termination
Monitor Outputs	Composite: One (1 Vp-p, 75 ohm) VGA: One
Recording Resolution	640x480, 640x240, 320x240, 160x120
Display / Record Speed (images per second).	max. 100ips / 100ips for PAL

### INPUTS /OUTPUTS

Alarm Inputs	16 switch closures or TTL open-collector inputs
Alarm Outputs	1 relay
Alarm Reset Input	1 switch closure or TTL open-collector
Audio Input	One, "line in" or "mic" programmable
Audio Output	One, "line"

### CONNECTORS

Video Input	Composite: 16 BNC
Monitor Outputs	Composite: 1 BNC, VGA: 1 VGA
Audio In	Line in or microphone in
Audio Out	One line out
Alarms	Terminal Block
Ethernet Port	1xRJ-45
RS232 Serial Port	2XDB9 (P) D-sub
USB Port	6xUSB connectors (2xUSB on the front and 4xUSB on the rear)
Parallel Port	1x25 (p) D-sub
Modem	56k PSTN modem included

### STORAGE

Primary Storage	EIDE hard disk drives, 120Gig + (optional extra 2 HDD)
Secondary Storage	External: SCSI hard disk drives, USB hard disk drives, USB Memory Stick
Backup Storage	CD-R/W

### GENERAL

Dimensions (W x H x D)	486mm x 178mm x 462mm
Unit Weight	11.7kgs
Shipping Weight	16.6kgs
Power	100 - 127V ~ 6A, 200 - 240V ~ 3A, 60/50Hz

### MISCELLANEOUS

Approvals	FCC, CE, UL
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NB: Specifications are subject to change without notice

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# PDR16-PC



## 16 Channel PC Version Enterprise DVR



**Pacific  
Communications**  
CLOSED CIRCUIT VIDEO SYSTEMS

# PDR16-PC

## 16 Channel Digital Video Recorder Intelligent Enterprise DVR

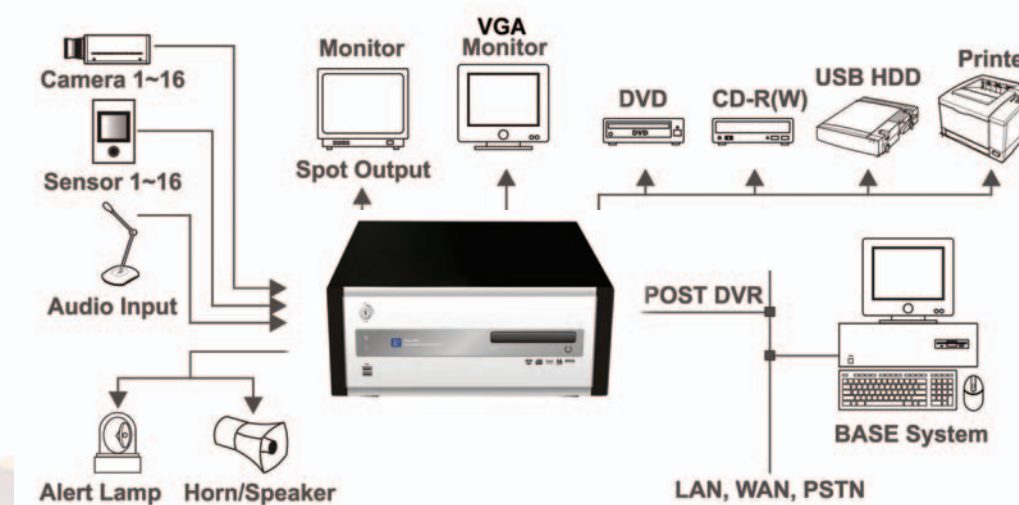
A newly enhanced PC version 16 channel digital recorder, the PDR16-PC Enterprise DVR provides pentaplex operation for simultaneous recording, multi-screen viewing, playback, remote monitoring and archiving.

In addition, the PDR16-PC Enterprise DVR offers a recording speed of 100 images per second.

This full-featured digital video recorder stores high resolution video on internal hard drives for safekeeping, and has a built-in CDR/W for backup storage.



### System Diagram



### Features

#### CUSTOMISED RECORDING

**Multiple recording modes:** Time Lapse, event-driven and pre-event recording.

**Dual Scheduling:** In addition to the Normal Scheduling, an Advanced Scheduling of or after-hours, on alarm and on priority alarm can be established.

#### AUDIO RECORDING AND PLAYBACK

**Fast Retrieval:** Find and retrieve critical events instantly using various search filters - Calender Search, Go To Search, Recording Status Bar Search and Search by Object.

**Various camera display:** Single-screen, full-screen,quad, 3+4, 3x3, 2+8 and 4x4.

**Image enhancement:** Brightness, interpolation, blur and sharpness.

#### Programmable Motion Detection

**Archiving:** Provide auto/manual backup to DVD R/W and USB storage devices.

**PTZ Control:** Supports various receivers & dome cameras.

**Web Monitoring:** Monitor live video images on the PDR16-PC Enterprise DVR through the internet web browser any time from virtually anywhere using the remote web monitoring program, WebGuard.

**Time Synchronization:** Synchronize the time between the DVR and any time server.

#### HIGH PERFORMANCE

**Multitasking:** Simultaneous viewing, recording, playback, remote monitoring & archiving.

**High recording speed:** Max. 100ips

**Compression:** Pictures are recorded using the ML-JPEG, and advanced compression technology used to maintain high quality images and to maximise recording duration.

#### STABILITY

**Watchdog:** Hardware & Software Watchdog function offers self system restart in case of critical system error conditions.

#### COMPLETE SECURITY

**Image authentication:** Chained Fingerprint enabling provides a solid chain of evidence ensuring images cannot be altered or modified.

#### CONVENIENCE

**On-screen display:** Camera ID, recording status and recording mode.

**Simple intuitive graphic user interface print:** Supports all kind of printers using Windows to print the image.

**Bookmark:** Add a specific image on the bookmark list for user-defined searching.

**Minibank save:** Archive any video clip file as an ".exe" file containing self player program, enabling review of the video clip without installing any special software on your PC.

#### ALARM

**Programmable alarm priority:** Separate recording speed, recording image resolution and recorded image quality for high-priority alarms.

**Pre-alarm:** Up to 1 minute pre-alarm recording.

#### REMOTE ACCESSIBILITY

Remote monitoring, remote playback and remote configuration through LAN, PSTN and ISDN.

#### TEXT IN (OPTIONAL)

Text in for POS (note: USB Keylock required).

### PDR16-PC Enterprise DVR Recording Time Table (based on 120 GB)

RECORDING PICTURE QUALITY MODE (320 X 240)									
IMAGE REC		LOW 2KB		STANDARD 3KB		HIGH 5KB		V-HIGH 6KB	
COMPRESSION RATE									
(sec/imag)	(img/sec)	Hours	Days	Hours	Days	Hours	Days	Hours	Days
0.01	100	167	6.9	111	4.6	67	2.8	56	2.3
0.01	75	222	9.3	148	6.2	89	3.7	74	3.1
0.02	50	333	13.9	222	9.3	133	5.6	111	4.6
0.03	30	556	23.1	370	15.4	222	9.3	185	7.7
0.05	20	833	34.7	556	23.1	333	13.9	278	11.6
0.07	15	1,111	46.3	741	30.9	444	18.5	370	15.4
0.10	10	1,667	69.4	1,111	46.3	667	27.8	556	23.1
1	1	16,667	694.4	11,111	463	6,667	277.8	5,556	231.5
30	0.03	555,556	23,148.1	370,370	15,432.1	222,222	9,259.3	185,185	7,716.0

### Graphical User Interface



**SmartGuard**  
Real-Time Monitoring & Recording Software



**SmartSearch**  
Recording Data Search Software



**Player**  
Video Clip Viewer



**WebGuard**  
Remote Web Monitoring.