

# PACOM PDR16-PC Digital Video Recorder

## Specifications:

<b>VIDEO</b>	
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
<b>INPUTS / OUTPUTS</b>	
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"
<b>CONNECTORS</b>	
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	25 female D-sub
Ethernet Port	One RJ-45
RS232 Serial Port	One DB9 (P)
USB Port	Four USB connector
Parallel Port	One 25 (P) D-sub
<b>STORAGE</b>	
Primary Storage	EIDE hard disk drives, 80Gig + (optional extra HDD)
Secondary Storage	External: USB hard disk drives, USB Memory Stick
Backup Storage	CD-RW
<b>GENERAL</b>	
Dimensions (W x H x D)	425mm x 160mm x 450mm
Shipping Dimensions (W x H x D)	540mm x 320mm x 550mm
Unit Weight	11.7kgs
Shipping Weight	16.6kgs
Power	100 - 127V ~ 6A, 200 - 240V ~ 3A, 60/50Hz
<b>MISCELLANEOUS</b>	
Approvals	FCC, CE, UL

NB. Specifications are subject to change without notice

Distributed by:



## 16 Channel PC Version Digital Video Recorder

Available in Australia from



Available in New Zealand from



**Pacific Communications**  
CLOSED CIRCUIT VIDEO SYSTEMS

# 16 Channel Digital Video Recorder



## Intelligent Digital Recorder: PDR16-PC

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

In addition, the PDR16-PC 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.

### 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 for after-hours, on alarm and on priority alarm can be established.

#### AUDIO RECORDING & PLAYBACK

**FAST RETRIEVAL:** Find and retrieve critical events instantly using various search filters - Calendar 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 through the internet web browser any time from virtually anywhere using the remote web monitoring program, WebGuard.

**TIME SYNCHRONISATION:** Synchronise the time between the DVR and any time server.

### High Performance

**MULTI-TASKING:** 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, so 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.

## Graphical User Interface



#### SmartGuard

Real-time Monitoring & Recording Software



#### SmartSearch

Recording Data Search Software



#### Player

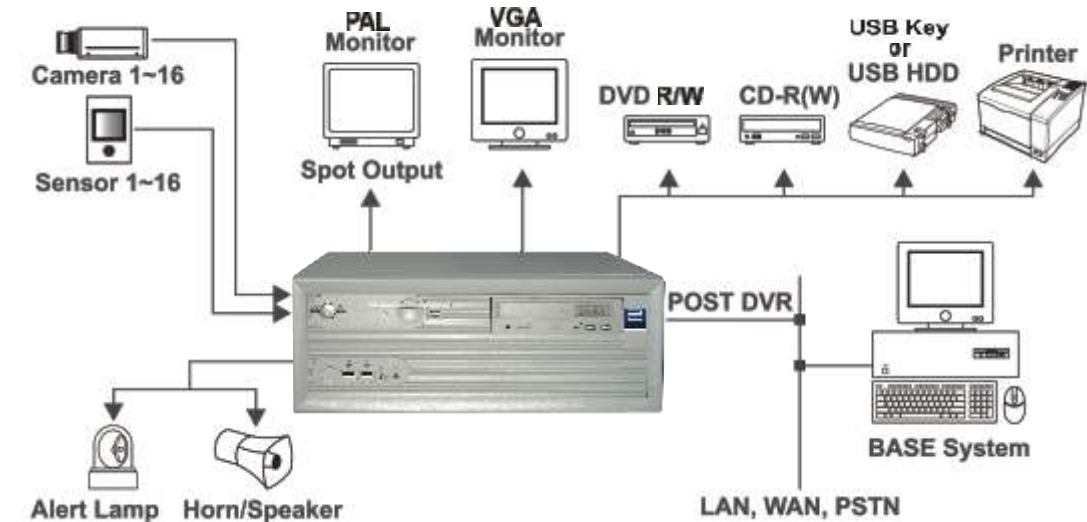
Video Clip Viewer



#### WebGuard

Remote Web Monitoring Software

## System Diagram



## PDR16-PC Recording Time Table (based on 80GB)

Image Rec Compression Rate		Recording Picture Quality Mode (320 x 240)							
		LOW 2 KB		STANDARD 3 KB		HIGH 5 KB		V-HIGH 6 KB	
(sec/img)	(img/sec)	Hours	Days	Hours	Days	Hours	Days	Hours	Days
0.01	100	111	4.6	74	3.1	44	1.9	37	1.5
0.01	75	148	6.2	99	4.1	59	2.5	49	2.1
0.02	50	222	9.3	148	6.2	89	3.7	74	3.1
0.03	30	370	15.4	247	10.3	148	6.2	123	5.1
0.05	20	556	23.1	370	15.4	222	9.3	185	7.7
0.07	15	741	30.9	494	20.6	296	12.3	247	10.3
0.10	10	1,111	46.3	741	30.9	444	18.5	370	15.4
1	1	11,111	463.0	7,407	308.6	4,444	185.2	3,704	154.3
30	0.03	370,370	15,432.1	246,914	10,288.1	148,148	6,172.8	123,457	5,144.0