

H.264 Intelligent *Real-time* Digital Video Recorder



Advanced Features

- ◆ TI HD Davinci Based Platform w/ Powerful self developed codec
- ◆ True Pentaplex Operation Performance -
 - Live / Record / Playback / Archive / Network
- ◆ Real-time Recording speed up to 480FPS @ CIF
- ◆ Support 1024x768 display resolution
- ◆ Independent Resolution, FPS, Quality and Audio setting per channel
- ◆ Instant playback by clicking right-mouse button
- ◆ Real-time log viewer with snapshot image
- ◆ Support PDA Viewer and Smart Phone (iPhone, BlackBerry)
- ◆ POS support
- ◆ Gigabit Ethernet
- ◆ Snapshot Uploading Function via E-MAIL
- ◆ Multi Channel, Instant, PIP, Panorama Playback Support
- ◆ Powerful Search Mode
 - (Calendar, Timeline, Event, Panorama and multi-hour Search)
- ◆ Quick & Easy playback function(Forward & Reverse, Max. 64x)
- ◆ G.M.T Time zone & D.S.T supported
- ◆ Remote PTZ control supported
- ◆ Two way audio communications supported
- ◆ Various Archiving Devices supported
 - (CD/DVD-RW, USB device, Network)
- ◆ Flexible Network supported(Static IP, DHCP, DDNS)
- ◆ Remote Live viewing, searching, configuration, archiving
- ◆ Easy firmware upgrade via USB, Network
- ◆ Alarm/Motion Detection/Video Loss/HDD SMART
- ◆ E-mail notification, Video Pop-up
- ◆ i-Phone, Smartphone & PDA supported (TBD)

GUI Overview



(RECORDING SETUP)



(SEARCH)



(ARCHIVING)

SPECIFICATION

Model		PM-8C	PM-16C
Operating System		LINUX	
Pentaplex Function		Simultaneous Live/Record/Playback/Archive/Network	
Video Compression		H.264 Codec(DSP Based)	
Live Display Speed		240/200fps	480/400 fps
Recording Speed		240/200fps	480/400 fps
Video Input		8CH(BNC)	16CH(BNC)
Loop out		8CH(BNC)	16CH(BNC)
Video Output	HDMI	MAX (1920X1080)	
	VGA monitor	1 SXGA (1280 X1024)	
	Sub monitor	1 Composite(BNC) / 1 SVHS	
	Spot-out	2 Analog(BNC)	4 Analog(BNC)
Screen Division	Live	1,4,6,9	1,4,6,8,9,16
	Playback	1,4,9	1,4,16
Audio In/Out		4 Line in(RCA)/ 1 Line out(RCA), CODEC:G.711	
Alarm In/Out		8 In/ 8 Out	16 In/ 16 Out
Storage		Up to 4 HDD's(SATA) + 1 ODD, Support External Storage(Option)	
Archive		USB Device, CD/DVD-RW & Network	
USB Port		3(Front 2, Rear 1)	
PTZ & Keyboard control		RS-485	
UTC		BBV, COAXITRON (Option Board)	
System Control		USB Mouse, Front button, Remote controller & Keyboard controller	
Network		LAN, DHCP, Dynamic IP, DDNS,	
Power		SMPS, MAX.200W, 100~220VAC, 50~60Hz	
Operating Temperature		0℃ ~ 40℃	
Humidity		10 ~ 90% NC	
RemoteSW		CMS/RA support, Web Browser, PDA Viewer, Smart Phone	

MAIN FEATURES

LIVE DISPLAY	
OSD	On/Off
Border Color	Selectable
Digital Zoom	up to 4X
SEARCH	
Calendar Search	Search by time
Event Search	Search by event
Panorama Search	Frame by Frame / Multi-hour
PLAYBACK	
Playback Speed	Variable Playback(Max.64x)
Instant playback	Instant playback mode for quick review
Audio Play	Synchronized with Video
SYSTEM	
Video Covert	Video will be hidden Live & Playback mode, But it will be recorded
PTZ	Supported most of PTZ protocol, Preset up to 255
Motion Area Setting	Adjustable GRID(20X12), 10 Steps Sensitivity Level
Time Synchronization	Auto Time Sync. By NTP server
User Authority	Each User Group has different function
System Reliability	Watch-Dog, Auto-Recovery after power Failure
Firmware Upgrade	Via USB device and Network
Configuration Export & S.M.A.R.T. Alarm	Setting configuration copy & paste to other DVR via USB Auto-Detect & monitoring the HDD's problem
RECORD	
Resolution Setting	By each camera for different resolution setting(CIF/2CIF/D1)
Recording Quality Control	4 Levels (Low/Standard/High/Highest)
Recording Schedule	By hour, by day, by recording mode, By alarm, By Ch
Panic Record	Overrides all other recording settings to provide the best quality recording
Pre-recording	Max. 5 seconds
Post-recording	Max. 180 seconds
ARCHIVE	
Archive Device	CD/DVD/USB device
File Format	AVI file
Bookmark Archiving	Supported
Player	Backup player, Window Media Player and HDD PC Viewer
NETWORK	
Network Support Type	LAN/DHCP/DDNS
Net Client & Web Server	Programmable by User
E-mail notification	E-mails to specific users to notify events
System Configuration	Full setup configuration over network
Bandwidth limit	Limitable Network Bandwidth by User
Two-Way Audio	Communication with RemoteSW
Others	
Watermark	Watermarked Video & Audio for security
Video Analytics	H/W option
POS	Supported