

Technical specifications - Pacidal DVR8016U

System	
CPU	Intel dual-/quad-core processor
DRAM	4GB DDR3 RAM
OS	Embedded Linux system in 1GB DOM
Input devices	USB mouse, USB keyboard

Storage	
HDD capacity	Eight 3.5" 6Gb/s or 3Gb/s SATA hard disks
HDD tray	Eight hot-swap lockable bays
HDD mode	JBOD, software RAID

Camera input	
Connectors	16-channel BNC
Video compression	H.264
Video streaming	Dual streams for each channel, including one 1080p stream plus one VGA stream, both at 30 fps
Audio compression	G.711/G.726 PCM

Local display	
Display splits	1/4/9/12/16
Display speed	Max. 16-CH 480 fps real-time monitoring at 1080p
Display control	Video snapshot, optical PTZ control, digital PTZ control, audio control
Screen rotation	1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8, 1+2, 1+3, 1+5, 1+7, 1+12
OSD information	Camera title, date, time, video loss, motion detection, recording mode

Remote monitoring (Windows)	
Viewing modes	1x1, 2x2, 3x3, 3x4 or 4x4, 8x8, sequential display from multi-site NVR servers simultaneously
OSD information	Camera title, date, time
Event actions	On-screen event alerts, event logs, digital output, e-mail notifications with video recordings attached

Recording	
Encoding speed	Max. 16-CH 480 fps at 1080p
Recording modes	Manual/schedule/event
Recording priority	Manual > schedule > event
Motion detection	Supported

Local playback	
Playback speed	Max. 16-CH 480 fps at 1080p
Playback modes	1x1, 2x2, 3x3, 4x4 viewing modes

Search modes	Timeline/motion/event
Playback control	Play, pause, reverse play, previous/next frame, speed control (1x, 2x, 4x, 8x, 16x), video snapshot, digital zoom, audio control
Export	Converting recorded video to .avi, .asf or .mkv formats and exporting to a USB storage

Remote playback (Windows)	
Viewing modes	1x1, 2x2, 3x3, 4x4, sequential display
OSD information	Camera title, date, time, recording status, event status
Video control	Full screen display, original video aspect ratio, video snapshot, optical PTZ control, digital PTZ control, audio control
Event control	Event list, digital input status, digital output control

Security	
Authority management	Multi-level privilege
Event logs	Supported
User logs	Supported

Network	
Interface	Gigabit Ethernet, RJ-45
Supported protocols	HTTP, DHCP, Static IP, DNS, PPPoE, DDNS, FTP, NTP, RDATE, SSH, UPnP, SMTP
Bandwidth control	Supported

General	
Power supply	Input: 100~240V, 50/60Hz; output: 450W
Power consumption	Typical: 120W
Operating conditions	0°C~40°C (32°F~104°F) 20~80% RH, non-condensing
Dimensions (L x W x H)	430 mm (19.63") x 400 mm (15.75") x 95 mm (3.74")
Weight	16 kg (35.27 lb.)
Approvals	CE, FCC, RoHS

Utility	
Setup wizard	DVR setup wizard (discovery DVR, DVR network setting)
Others	Windows client, Web client, CMS client, iPhone/iPad client, Android client

* Specifications may be subject to change without prior notice.

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