



DVR-IH264-16CH-125TB

Advanced 16ch 2CIF Real-time H.264 Network DVR

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The DVR-IH264-16CH-125TB is an enterprise class digital video recorder utilizing H.264 hardware compression Texas Instruments DSPs. The DVR-IH264-16CH-125TB can push real-time video and audio recording at a full 2CIF resolution on every channel or 15 FPS at a full 4CIF(D1) resolution on every channel. That's 4 times the resolution as the standard CIF resolution. 2CIF is required to take full advantage of today's high resolution cameras.

Remote viewing, playback, configuration, upgrade, reboot, and backup are all standard on the DVR-IH264-16CH-125TB. The embedded web server enables users to perform all these remote function via an Internet Explorer web browser, eliminating the need to install software. Client software is also included for central monitoring and alerts for multiple DVR-IH264-16CH-125TB units. Dual streaming configurations are also a standard feature allowing high resolution recording on the unit locally, while lower bit rates and resolution are used for remote viewing, conserving network bandwidth and increasing remote viewing quality and performance. Two-way voice talk and audio over the Internet is also standard on the JPS-16PTA-2TB. There are too many features to list, but some of the following include: 10 simultaneous network users, RAID storage, FTP record/backup, email alerts, DDNS support, 3D intelligent PTZ control, power failure auto-recovery, DVD-RW backup, user management and much more.

Full featured 3rd generation digital surveillance technology utilizing a Linux embedded OS, embedded web server, and Texas Instruments DSPs bring together the most powerful network-based digital video recorder available without sacrificing usability.

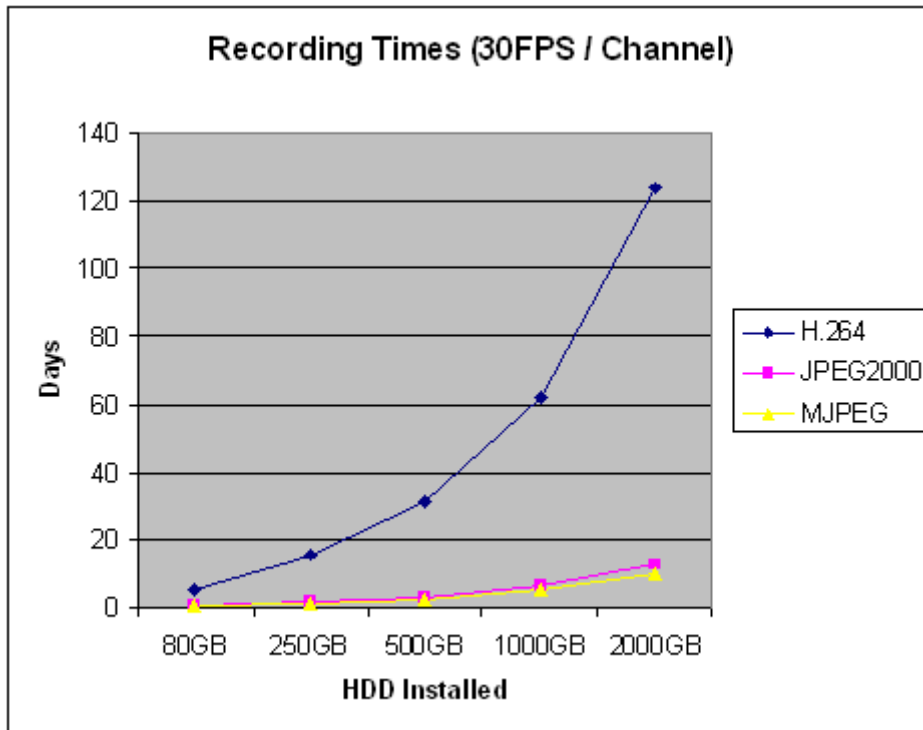
Don't take our word for it, as you do your homework and research our DVR line, and our competitors DVR line, click on the short sample video clips below. Your quality is significantly better on the local DVR, this demo is "worst" case. We did that intentionally. We want you "pleasantly" surprised when you install your product and view your quality after purchase.

The first clip is a DVD to demonstrate to buyers how well the DVR syncs audio with video. We attached a DVD player to one of the DVR channels. No competing DVR will do this worst case demo, movies have too much motion that typically distorts common MPEG4 systems. MJPEG and JPEG2000 DVR systems cannot process audio in sync. CCTV cameras do not have as much motion as an action movie, this is a fantastic test to display the power of Texas Instruments DSP.

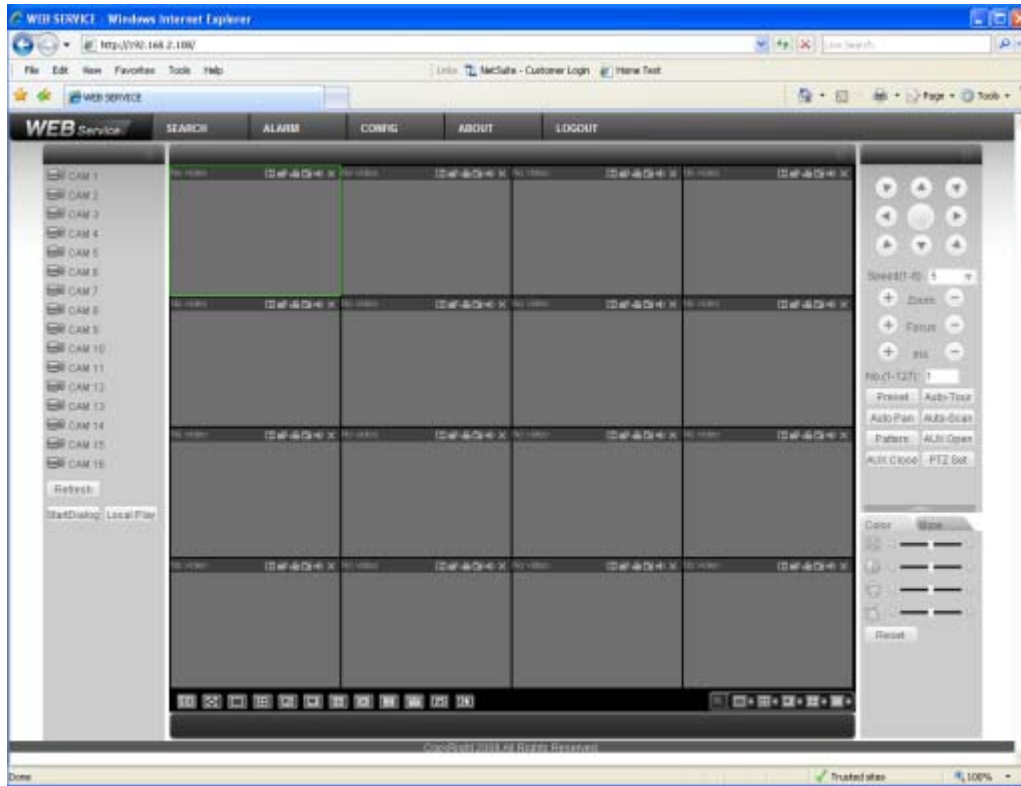
Our Texas Instruments DSP based DVR leaves no stone unturned. One click and our software converts the H.264 evidence to Windows Media Player Format. No Big Deal? It's a HUGE deal. If you have an event, and you burn copies of video evidence for prosecution, you'll appreciate this. Most competing DVR systems require you to download and install their special file players just to playback evidence. Sounds innocuous until you tell your attorney, the police officer, the prosecutor, the criminal defense attorney, and anyone else in the evidence chain that they must install "special" software on their computers to see the crime.

And then you finally head to court. Their computers are locked out. They don't like downloading special file layers, they in fact, refuse time and time again. Many businesses end up settling for an old VCR system copy to present to the court for that one reason.

Additionally, it's terribly inconvenient for all. Every Windows based PC uses Windows Media Player. You are out of town, you want to watch recorded video to see if your employees showed up for work on time. Do you really want to download, install, and use a third party software patch? ALL of our DVRs are based on Texas Instruments DSP technology. ALL of our DVR systems give you one click conversion to AVI format.



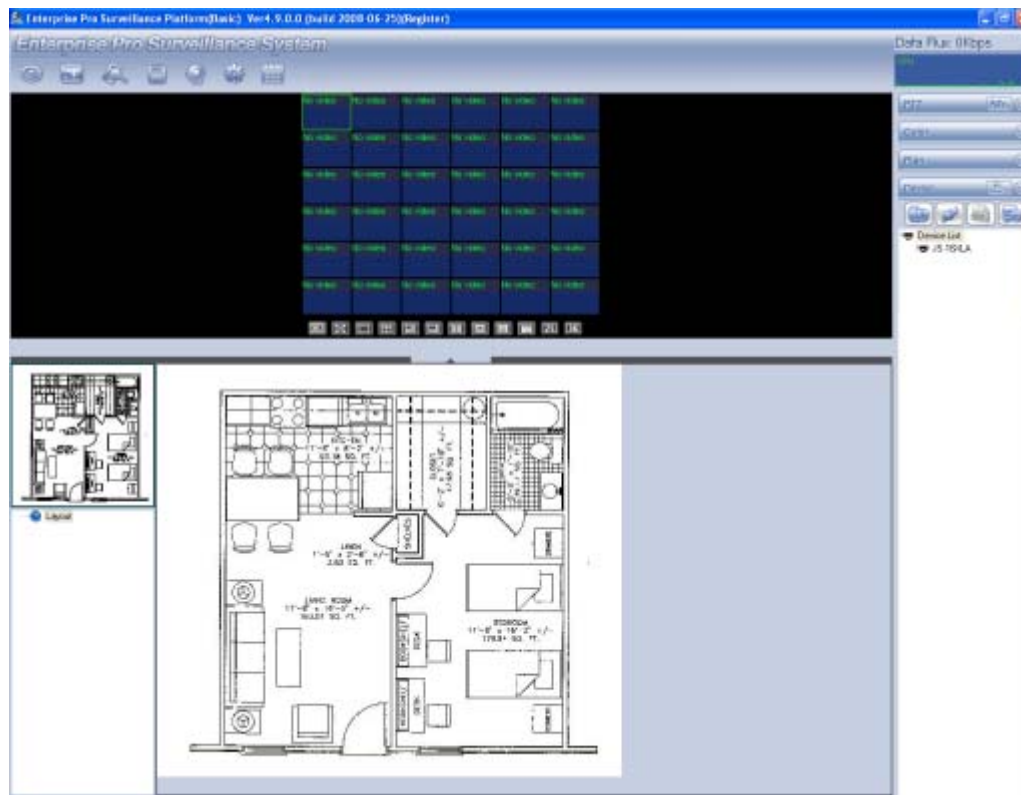
The Internet Explorer built-in web server provides real-time video and audio monitoring over any PC with an Internet connection. In addition, the web server allows recording to the remote PC, remote playback, remote configuration of the DVR, remote feature upgrades, remote backup, PTZ control, two-voice communication (VOIP), remotely view logs, and much more.



The client software, included for FREE, provides for even more features than the Internet Explorer viewer. The client software can be used to manage, view, playback, configure, and PC-record up to 50 DVRs from one application. You are also able to view up to 36 simultaneous live streams from any of the configured DVRs. Another great feature of this software is the ability to remotely record up to 50 cameras remotely onto a single PC. That is, each DVR configured in the software will not only record to the DVRs hard drives, but will also send the streaming recorded video to your PC via the network or Internet connection. This is great for providing redundant, off-site recording, preventing any loss of data in the case of the DVR being damaged or stolen during an event. We mentioned earlier our built-in H.264 audio/video server was powerful. We'd like you to understand we meant that. After you set up a remote PC to give you off site redundant recording, take a look at your remote PC's CPU performance. Our embedded DVR server does all the CPU chores. You will not experience remote PC lockups, slower program executions, and the video quality is outstanding.



The E-Map feature of the client software turns your PC into a central monitoring station for all configured DVRs. The client software can be set to receive alarm information from all cameras or DVRs, sending the alarm triggered video to the software for immediate viewing and review. The Map feature allows you to upload a floor plan, layout, or any image needed to create your CCTV layout, with multiple drill-down maps and placement of cameras. When a camera on the maps has a triggered motion, event, or other alarm the on-map camera indicator will flash and video will be displayed below the map for immediate review. Infinite possibilities with this feature. Own 20 Subway restaurant franchises? Simply upload a city map and assign your triggers to each store location. Have businesses located all over the USA? Upload a map of the USA and assign triggers to geographical locations. Own a mansion? Scan your home plans, upload them, and assign a trigger for each camera in each room.



Hardware & Performance

- ☑ H.264 Hardware Compression
- ☑ Pentaplex - Live/Playback/Record/Backup/Remote Access
- ☑ Embedded Linux RTOS for reliability
- ☑ High Performance Embedded Microprocessor and Texas Instruments DSPs for performance
- ☑ Real-Time Record at 2CIF
- ☑ Can be configured for 15 FPS/channel record at 4CIF (D1)
- ☑ Sync'd Audio on all channels
- ☑ VOIP
- ☑ 2 USB 2.0 Ports - 1 for mouse, 1 for USB HDD, CDRW, DVDRW, flash drive backup
- ☑ Internal DVD-RW writer
- ☑ 6 SATA Hard Drives Bays, even with DVD-RW installed
- ☑ VGA Monitor Output
- ☑ Spot Monitor Output (not available on 4ch model)
- ☑ 10/100 Network Interface

Ease of Use

- Jog/Shuttle Control - For fast forward/rewind and frame-by-frame playback
- Graphical User Interface with on-screen menu tips
- Front Panel, USB Mouse, PC Keyboard, and IR Remote Control
- USB Mouse - Simple point and click setup and use
- Simple Setup - Configure all channels with one setting
- System Defaults - Power it on and it starts recording 24/7, motion detect areas default to entire screen.
- Hard Drives are plug 'n play and do not require formatting, saving time and configuration
- RS-485 and Alarm connections are screw terminals for quick setup

Versatility

- Independent Channel Configuration
- 2 Channel Independent Simultaneous Playback
- Simultaneous Recording Methods
- Advanced User Management
- Variable Bit Rate or Constant Bit Rate settings per channel
- Ease Backup Methods - USB devices, CD-RW/DVD-RW, network backup

Functions

- RAID 1 - You can set specific hard drives as redundant. System will record to the primary hard drives and the redundant drives simultaneously for data integrity. Protects recordings from hard drive failures
- Hard Drive Hibernation Technology - Drives will power down when not in use, conserving energy and increasing the life span of the drives
- HDD Status and Problem Alerts via email
- Power Failure Auto-Recovery - If there is a power loss, system will automatically boot and start recording once power resumes.
- Scheduled Auto-Restart and Auto-File Deletion
- Digital Zoom
- Privacy Masking - both on record and/or live
- Motion Detection
- View Tampering Alerts
- Video Loss Alerts
- Configurable Live Channel Sequencing
- Multi-Protocol PTZ support via RS-485
- Fluent PTZ control
- PTZ pattern, tour, and preset setup
- 3-D Intelligent PTZ Control - control PTZ by simply dragging your mouse to the location you want to see and zoom using the scroller
- PTZ Triggering on motion detection or alarms
- System Info - Hard drive status and recording times on each drive, bitrates per channel currently in process, online users, etc.

Networking

- Dual-Stream network configuration - Separates network quality and FPS settings from DVR recording settings. Allows you to use high resolution recording to the hard drive and lower resolution and frame rates for fluent network transmission.
- VOIP - two way voice chat between PC and DVR
- Complete remote access including live view, playback, configuration, upgrade, reboot, system status, and backup via Internet Explorer
- Central Monitoring Software with up to 36 camera display
- 4 Channel Simultaneous Playback
- Email alerts for all system alerts, motion detection, alarm triggering, etc.
- Low bandwidth remote viewing supported
- PPPoE - for DSL direct connection
- DDNS via dyndns.org or no-ip.com (free DDNS providers)
- DHCP for automatic network configuration
- FTP for off-site redundant recordings. Upon motion detection, alerts, or schedule unit can simultaneously record to an off-site location to an FTP server. Prevents data loss in the case of DVR theft, destruction, or hard drive failures by automatically sending recordings off site via the Internet.
- 10 users simultaneous network viewing. Up to 10 users can simultaneously view all channels of the DVR via the network or remote locations.
- IP Address Filtering and Connection Blocking
- IP Connection Log
- NTP - Network Time Protocol, allows the DVR to automatically sync with correct time/date

- H.264 Texas Instruments DSP Technology
- 4 Year Extensive Warranty Including HDD
- 30 Day Hassle Free Peace Of Mind No Restocking Fee Return Policy
- 480 FPS 2CIF or 240 FPS 4CIF High Resolution Recording
- All Channel Sync'd Audio Locally and Over Internet
- Powerful/Feature Rich Client Software
- 6 Internal Hard Drive Bays
- No Hard Drive Size Limitation
- USB/DVD/CD/Network Backup
- Easy USB Mouse Control
- VOIP (2-way audio over IP)
- Extensive Industry Leading PTZ Compatibility and Functionality
- One Click Daily Back-Up Feature
- Record Locally AND on ANY Remotely Connected PC
- Playback Files With Windows Media Player Format
- Powerful Network Feature Gives You The Power To Control Bandwidth
- Access All Setup Functions Remotely
- Simply, The Most Powerful DVR Ever Manufactured

\$2,399-