

COST SAVING SYSTEMS DVR



High Lights:

Simultaneous Full Speed Live Video Display for All Channels on VGA & TV Monitors:

VGA monitors are limited to a few feet from the computer; now you can connect and view all video channels on a regular TV monitor with the same view as you would on your VGA screen. This means you can now also view all videos refreshing at full 30 fps each at a longer distance from the PC.

Separate Video Paths & Text Overlays for Display & Recording:

This allows you to set a fixed resolution for recording while you can display live videos on the VGA & TV monitors at whatever resolution that will fit the screen at their best resolution and quality possible.

All Video Channels Synchronized with Individual Decoders:

Many low cost capture cards uses one video decoder to support multiple video channels. This is done and by switching to another video signal after one channel is captured. To maximize the switching speed, the software doesn't usually have enough time for the new video signal to settle fully before capturing, resulting in poor quality video. This method also results in videos appearing shifting up and down randomly. The Video Catcher Full Speed capture cards do not require any switching channels and therefore ensures excellent video quality.

Digital Video Filters and Enhancements:

Regardless which compression technology is being used, noisy video makes compression difficult because the compression algorithm cannot identify noise from real video. Another important step to improve video quality is to provide noise filter and edge enhancement that provides cleaner video for better video compression and improves object identification.

On Board Real Time Clock with Battery Backup as Option:

Many CCTV systems suffer from clock slow downs due to heavy burden on the CPU with multiple DMA and Interrupt activities. These activities result in incorrect time stamp that can ruin the data as valid evidence in court. To solve this dilemma, using an on board real time clock guarantees correct times for as long as you own the equipment.

Performance:

No. of Channels	Display Resolution	Display Speed Per Channel	Record Speed per Channel		
			360x240	720x240	720x480
4	800x600	30fps NTSC	30fps NTSC	15fps NTSC	7.5fps NTSC
		25fps PAL	25fps PAL	12.5fps PAL	6.25fps PAL
8	800x600	30fps NTSC	15fps NTSC	7.5fps NTSC	3.75fps NTSC
		25fps PAL	12.5fps PAL	6.25fps PAL	3.12fps PAL

Specifications:

GENERAL:	<ul style="list-style-type: none"> Video Compression: Mpeg4 Resolution: 360x240, 720x240, 720x480 true resolution for display & record 	<ul style="list-style-type: none"> Video Format: Supports NTSC or PAL Auto Detect: Video Loss, LED channel indicator, Auto Detect Video Format: NTSC/PAL.
VIDEO DISPLAY:	<ul style="list-style-type: none"> Video In: 1.0Vp-p Composite B/W and color video In/Out, BNC connector 16-bit video quality Always Real time Display at 30 fps per channel. Display in 1, 4, 9 splits window and full screen 	<ul style="list-style-type: none"> Video Out: 4, 8 Channels One TV monitor out (split screen for all or selected channels) Image Control per camera Caption:
RECORDING:	<ul style="list-style-type: none"> Record Resolution: 360x240, 720x240, 720x480 true resolution for display & record Record Rate: adjustable recording Record Fame Size: 2KB per frame @ 360x240 Video Format: AVI Record Methods: Continuous, schedule, multiple zone motion detected, channel selectable, alarm activated (option) Text, Date and Time to 1/100 sec. Stamp on recording. 	<ul style="list-style-type: none"> Pre / Post Alarm Record: 10 frames pre-recording for Motion Detection or Alarm triggered. Time controlled post-alarm recording Network or remote enable recording Storage Space: requires 10-20 GB per day for continuous recording Data Storage Media: Selectable Destination Local or Network Mapped hard drives, Recycle when Full.
PLAYBACK & SEARCH:	<ul style="list-style-type: none"> Adjustable playback speed, frame-by-frame, reverse view. File Search: By video channel, Calendar, Date-time direct entry, Motion/area, Alarm, HDD 	<ul style="list-style-type: none"> Video Extractable into Clip Files viewable by Media Player. Single Image Capture and Print.
REMOTE:	<ul style="list-style-type: none"> Media: PSTN, TCP/IP Band Width Control: Adjustable frame rate, bit rate and resolution Transmitting speed up to 30 fps per channel 	<ul style="list-style-type: none"> Multiple Site Support: Remember and Connects to multiple IP address. Web Broadcasting: Customizable web pages for broadcasting Remote Controls: View, record, playback and search
SECURITY and WATCHDOG:	<ul style="list-style-type: none"> User friendly GUI with system information Multi level user accessibility Selectable channel permission Recording error reboot 	<ul style="list-style-type: none"> Event Notification: Selectable e-mail or client PC notification by image or by message Connection log Event log
AUDIO:	<ul style="list-style-type: none"> 1 audio, channel selectable, recordable at both resolution 	<ul style="list-style-type: none"> 2-way audio
PAN/TILT/ZOOM:	<ul style="list-style-type: none"> Pan/Tilt/Zoom: Supports multiple cameras, Canon VC-C4/R, or other camera with D-protocol. 	<ul style="list-style-type: none"> P/T/Z: Controlled locally and remotely for through RS-232, preset and touring for some cameras
AVAILABLE OPTIONS:	<ul style="list-style-type: none"> Hardware Real time clock: with built in battery backup 	
OPTIONS MAY BE AVAILABLE:	<ul style="list-style-type: none"> Alarm Input: Max .16 Input triggered recording by channel and by schedule (NO or NC type) Alarm Output: Max. 16 output relay controls electronic devices 	<ul style="list-style-type: none"> PDA viewer
OTHERS:	<ul style="list-style-type: none"> Size and weight: 7 x 4.25 in., 0.5 lb. 	<ul style="list-style-type: none"> Certification: CE, FCC

System Requirement:

Operating System:	Windows 2000/XP
CPU:	Pentium 4 (Pentium 4, 2 GHz or higher)
Motherboard:	Intel Chipset compatible
RAM:	256 MB
VGA:	VGA card or on board, with 2 Megabyte video memory, running at least with 800x600 resolution @ 16 bit colors, supports DirectX
Hard Drive:	Partitioned: Allow 10 GB for operating software and Allow 10 to 20 GB per day for continuous recording
CD-ROM:	CD-ROM for software installation
LAN (optional):	10/100M BASE Ethernet card or integrated chip for Networking
Sound System (optional):	Sound card, speaker, and microphone if audio is to be used.
Monitor:	Minimum color setting: High Color (16 bit), 800x 600 minimum

Packaging:

- Capture Card
- Cable with BNC connectors
- Software on CD
- Digital Manual

Features and Specifications are subject to change without further notice.

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Cost Saving Systems LLC

1249 Mall Drive, Richmond, VA, USA 23235 Web site: <http://www.cameragrid.com>
 Phone: 804-921-4451 Fax: 804-897-8349