4, 8, or 16 Channel Embedded Digital Recorder

Remote monitoring software for Apple iPhone®, and iTouch®, Blackberry, and Android.
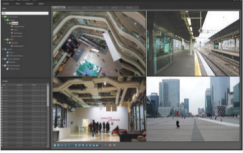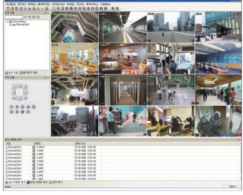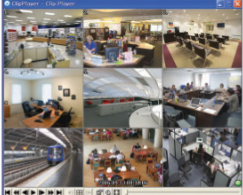
Costar Digital Video SP Series recorders offer the latest in H.264 hardware compression technology using the latest proprietary ISP1000 chip set. The first encoder chip developed exclusively for security digital video recording which assures the highest level of video quality with the smallest possible file sizes. User viewing over IP networks allows central control of any number of cameras as well as multi-user viewing and monitoring. Easy installation and operation allows this DVR to integrate quickly and seamlessly into an existing CCTV system.

- 4, 8 or 16 channel BNC inputs

- Compression H.264

- Two-way audio communication

- DVD-RW archiving

- Web-enabled remote access via Internet

- 4-channel audio recording
  1-channel audio playback

- 2x Digital Zoom on playback

- Max 120 (CR4000SP), 240 (CR8000SP) and 480 (CR1600SP) images/sec recording (352x240 CIF resolution)

- Two USB 2.0 I/O ports

- USB mouse operation (mouse not included)

- BNC and VGA video monitor outputs

- Text Interface for up to 14 inputs using RS485, RS232 and TCP/IP

- 64 user group programming
  256 individual user programming

- Video Motion Detection (VMD)
  Video Obscuration Detection (VOD)

- Time-lapse, alarm, pre-event, panic and continuous recording modes

- Programmable record options -
  Schedule, Record Rate, Image Quality

- Up to 30 minute pre-event recording
  Up to 15 minute post-event recording

- Remote Access System (RAS+) software supports Static-IP, ADSL, DHCP, Dynamic-IP DVRNS (Enhanced DDNS)

- PTZ camera control – more than 50 specific protocols including Pelco D, Spectra, and StarDome Fastrax II

- Network Time Sync - master server or slave

- 10 Simultaneous network viewing,
  2 administrators and 2 search connections.

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www.costarvideo.com

Model	Channels
CR4000SP	4 Channel
CR8000SP	8 Channel
CR1600SP	16 Channel

Power

Power Source	100-240V AC
Power Consumption	2 Amps

Input / Output

Video Inputs	4, 8, 16
Audio In / Audio Out	4 RCA In / 1 RCA Out
PTZ Dome Control	RS485
Monitor Output	Composite, VGA
Spot Monitor Output	1 BNC
Alarm Input	4, 8, or 16 TTL (NO/NC)
Alarm Output	2 TTL
Auxiliary In	RS232, RS485, 2 USB 2.0
User Interface	Keyboard controller, mouse, remote

Recording and Playback

Compression	H.264
Record Rate	120 ips @ CIF CR4000SP 240 ips @ CIF CR8000SP 480 ips @ CIF CR1600SP
Record Resolution	720x480 740x240 352x240
USB Port	2 USB connectors
Serial Interface	RS485
Advanced Features	4X zoom, clip copy, motion detection

Storage

Recording	Up to 3 HDD
Archiving	DVD-RW USB Flash Drive, USB HDD, eSATA, ISCSI

Network

Connection	Ethernet
Protocols	DHCP, DVRNS, ADSL, Manual
Remote Software	RASplus, Webgaurd, Internet Explorer, MAC Watch, MAC Search
Remote Connections	2 Admin 10 Watch 2 Search

System

Operating System	Embedded Linux
Data Export	USB Flash Drive, USB HDD
Disk Management	Temperature check, S.M.A.R.T. diagnosis, auto-recovery

General Operating

Operating Temperature	41°F to 104°F (5°C to 40°C)
Approvals	FCC, CE, UL, CB,
Dimensions	430 x 88 x 400 mm

iNEX
Connect to the future with Legacy connection from DVRs, and IP servers (available Q4, 2010)

RASplus
Remote software providing 64 cameras live/playback, event monitoring, local recording, E-map, and device management

Webguard
Web based remote monitoring software which can be downloaded from web browsers in ActiveX format

Clip-Player
Self extractable video player containing not-alterable recorded data from its digital recorder, no need for special codec's or players

RAS Mobile-1
Remote monitoring software for Apple®, iPhone®, and iTouch®, Blackberry, and Android.