



CR4000E, CR8000E, CR1600E

4, 8 or 16 Channel Embedded Digital Recorder



Remote monitoring software for
Apple iPhone®, and iPod®,
Blackberry, and Android.

Costar Digital Video E 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
- H.264 compression
- Two-way audio communication
- Web-enabled remote access via Internet
- 4-channel audio recording
1-channel audio playback
- 2x Digital Zoom on playback (4 and 8 channel)
4x Digital Zoom on playback (16 channel)
- Max 480 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: 10 inputs for CR1600E
8 inputs for CR8000E and 4 inputs for CR4000E
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 60 sec. pre-event recording
Up to 30 sec. 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.



Costar
VIDEO SYSTEMS

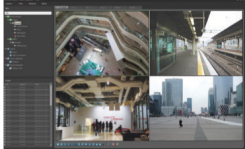
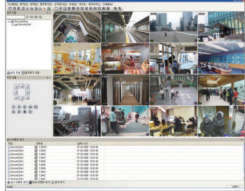

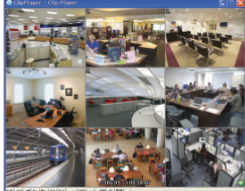

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www.costarvideo.com

E Series – 4000 / 8000 / 1600 Specifications

Model	Channels
CR4000E	4 Channel
CR8000E	8 Channel
CR1600E	16 Channel

Power	
Source	DC12V
Consumption	3 Amps 4.16 Amps (CR16000E)
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
Alarm Input	4, 8, or 16 TTL (NO)
Alarm Output	1 Relay
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 CR4000E 240 ips @ CIF CR8000E 480 ips @ CIF CR1600E
Record Resolution	720x480 740x240 352x240
USB Port	2 USB connectors
Serial Interface	RS485
Advanced Features	2X zoom, clip copy, motion detection
Storage	
Recording	Up to 2TB SATA HDD
Archiving	USB Flash Drive, USB HDD
Network	
Connection	Ethernet
Protocols	DHCP, DVRNS, ADSL, Manual
Remote Software	RASplus, Webguard, Internet Explorer, MAC Watch, MAC Search
Remote Connections (simultaneous)	10 Watch connections 2 Search connections 2 Admin connections

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	
Temperature	41°F to 104°F (5°C to 40°C)
Approvals	FCC, CE, UL, CB,
Dimensions (w x h x d)	CR4000E & CR8000E 10.43" x 3.93" x 7.40" (265 x 52 x 188 mm) CR1600E 11.81" x 2.44" x 9.33" (360 x 62 x 237 mm)
Operating Applications	
	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.