



CR8010SP
CR1610SP

8 or 16 Channel Embedded Digital Recorder



Remote monitoring software for
Apple iPhone® and Android.

Costar Digital Video SP 10 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.

- 8 or 16 channel looping BNC inputs
- D1 real time recording
- Images per second recording:
480 ips @ D1 (CR1610SP)
240 ips @ D1 (CR8010SP)
- H.264 codec compression
- eSATA external storage support
- Two-way audio communication
- 4-channel audio recording
1-channel audio playback
- 4x Digital Zoom on playback
- Two USB 2.0 ports
- HDMI port ready
- Video monitor outputs:
1 HDMI, 1 VGA, 1 BNC (SPOT)
- USB mouse operation (mouse not included)
- Spot monitor 4x4 output available for
public view applications
- Text input for ATM and POS applications
- Up to 64 user group programming
Up to 256 individual user programming
- Video Motion Detection (VMD)
Video Obscuration Detection (VOD)
- Time-lapse, alarm, pre-event, panic and
continuous recording modes
- Programmable recording options -
Schedule, Image 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
- Simultaneous remote connections:
10 Watch, 2 Admin and 2 Search
- Web-enabled remote access via Internet
- Free smart phone application



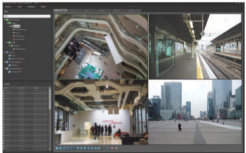
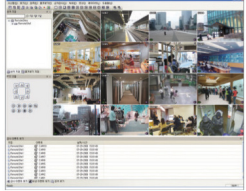

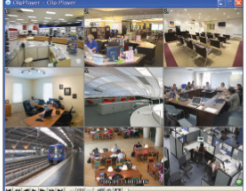

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VIDEO SYSTEMS

CR8010SP and CR1610SP Specifications

Model	Channels
CR8010SP – HDD Size*	8 Channel
CR1610SP – HDD Size*	16 Channel

*1000D, 2000D, 3000D, 4000D, 5000D, 6000D

Power	
Source	100-240VAC
Consumption	0.6~1.2 Amps
Input / Output	
Video Inputs	8 or 16
Monitor Output	HDMI, VGA, BNC (SPOT)
Audio In / Out	4 RCA In / 1 RCA Out
Alarm Input / Output	16 / 2 (relay) / 1
PTZ Dome Control	RS485
Serial Interface	RS232, RS485
External Interface	2 USB 2.0, 1 eSATA
User Interface	Front control buttons, mouse, IR remote control, remote keyboard
Recording and Playback	
Compression	H.264
Recording Rate (CR810SP)	240 ips @ D1
Playback Rate (CR810SP)	240 ips @ CIF
Recording Rate (CR1610SP)	480 ips @ D1
Playback Rate (CR1610SP)	480 ips @ CIF
Transmission Rate	120 ips @ CIF
Display Resolution	1280 x 1024 (SXGA) 1440 X 900 (WXGA+) 1920 X 1080 (Full-HD)
Advanced Features	4X zoom, clip copy, motion detection
Storage	
Recording	3 HDD
Archiving	DVD-RW, eSATA, HDD USB Flash Drive
Network	
Connection	Ethernet
Protocols	DHCP, ADSL, Manual
Remote Software	RASplus, RAS Mobile, Webguard, Clip-Player, 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, DVDRW
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)
Humidity	90% RH Max
Approvals	FCC, CE, UL, CB,
Dimensions	17" x 3.5" x 15.75" (430 x 88 x 400 mm)
	
INEX Connect and manage IP and Analog cameras onto a single user interface.	
	
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®, and Android.	

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Specifications and design are subject to change without notice. Conversions: 1" = 25.4mm Measurement conversions are approximate.