

Affordable 4-Ch Standalone Network Digital Video Recorder



The **CR04N** is designed to satisfy video surveillance needs for small businesses and homes. It is inexpensive and less complex to operate. It performs clear and smooth digital video recording and has networking functionalities.

Features:

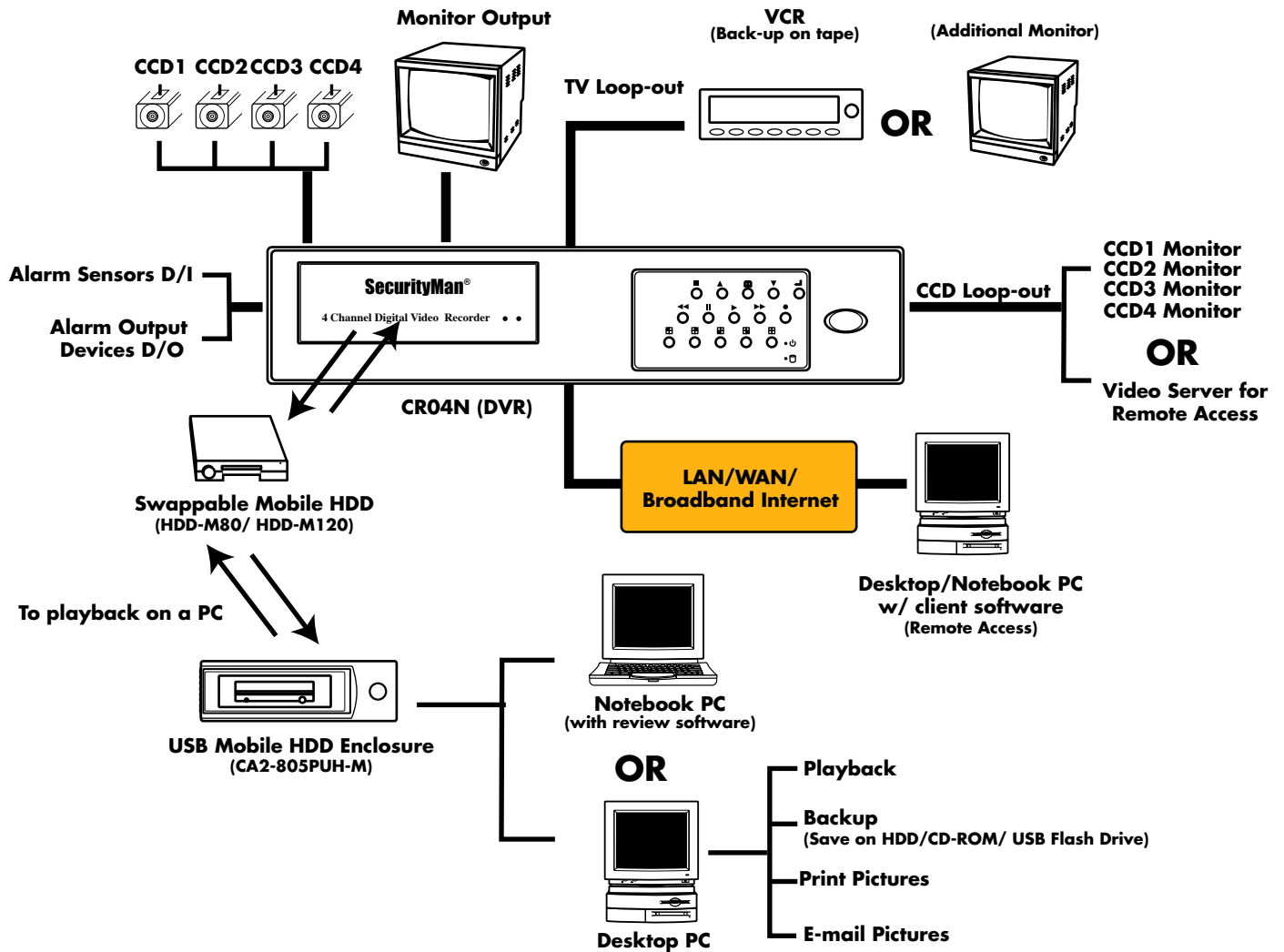
1. Clear MJPEG picture quality
2. VCR-like easy-to-use and reliable embedded standalone DVR
3. Up to 4 cameras digital recording at the same time
4. 1 channel audio recording
5. Networkable over LAN/WAN/broadband Internet with fixed IP address
6. Remote monitoring, reviewing, setup changing, and video capturing via PC client software over network connection
7. One removable hard drive for easy swapping, plus one optional internal hard drive for expansion
8. Value added additional PC Player software for reviewing, backup saving, printing pictures, and emailing pictures through PC connection (non-network) of the CR04N hard disk (removable one).
This non-network PC connection requires optional CA2-805PUH-M.
9. Built-in video motion detection
10. Alarm sensor inputs (4) and output (1) for alarm integration
11. Built-in buzzer for video loss detection
12. Real time live display at 30fps/25fps (NTSC/PAL) each camera
13. Recording at global 30fps/25fps (NTSC/PAL) shared by up to 4 cameras
14. Power recovery auto record
15. Password protection
16. Manual, schedule, and alarm recording
17. Easy search and playback based on date/time, and alarm event
18. BNC video loop through of each camera and video loop-out, for multiple monitors.
19. Backup save methods: local VCR connection via video loop-out, PC networking with client software, or PC connection with PC Player software
20. Selectable two record modes (Quad or Each) and three video quality levels (Low, Normal, & High)
21. Hard drive(s) overwriting function available for continuous cycle record
22. With 80GB, it records about 74 hrs with 4 color cameras at maximum 30fps and normal quality without audio recording (72 hrs with audio recording). Recording time can be extended up to weeks or months by using larger capacity (such as 300GB) hard drive, adding 2nd internal hard drive, and/or by setting up with lower quality and/or reduced frame rate. Or, simply consider swapping with extra mobile hard drives.
23. Specific port number can be configured for passing through any firewall device (like router) while maintaining network security at the same time

Item: CR04N	Description	Remarks
Video Input format	NTSC/PAL	Switch-able
Operating System	Non-PC (Embedded proprietary OS)	Ensure video authenticity & view-able without hard drive installed.
Video Input Channel	4-ch BNC	
Video Output channel	2 BNC + 1 S-Video	
Video loop-through	4-ch BNC	
Audio Input	1 RCA	
Audio Output	1 RCA	
Alarm Setting	4 Inputs / 1 Output	
Built-in Buzzer	On board	
Display frame	NTSC	120fps global
	PAL	100fps global
Recording frame rate (quad mode)	NTSC	Max.30fps(quad)
	PAL	Max.25fps(quad)
Recording frame rate (each mode)	NTSC	30fps global (max.7.5fps each)
	PAL	25fps global (max.6.25fps each)
Recording methods	Continuous, manual, event, programmed	
Resolution: Live Display	NTSC:720x480 PAL:720x576	
	Recording	NTSC:640x224 PAL:640x272
Compression Format	Modified MJPEG Each recording (8 - 12K bytes/frame)	Low: 8Kb/frame Normal:10Kb/frame High:12Kb/frame
HDD	Up to 2HDD One removable (standard) and one internal (option)	
Search Mode	Mode Time, date, camera, event	
Network Protocol	TCP/IP	
Ethernet	RJ45 10M/100M	
Watch-dog function	Power recovery auto boot-up and back to previous recording mode	
Dimension	422x298x95mm (16.61"x11.73"x3.74")	
Weight (Net/Gross)	4.3Kgs/5.3Kgs (9.46lbs/11.66lbs)	
Certificate	UL,CUL,LVD,FCC,CE	

CR04N Back Panel



CR04N SYSTEM LAYOUT



CR04N-80/-120/-160/-200/-250/-300, DVR system with 80GB/120GB/160GB/200GB/250GB/300GB (Please contact for possible larger GB whenever available in the market.)

Optional Items:

1. Peripheral to playback on a PC
CA2-805PUH-M (USB Mobile HDD Enclosure without hard disk)
2. Additional swappable mobile hard drive
HDD-M80/120/160/200/250/300,
80GB/120GB/160GB/200GB/250GB/300GB mobile hard drive
(Please contact for possible larger GB whenever available in the market.)

