



## SM-ECON-4 Channel DVR Technical Specifications



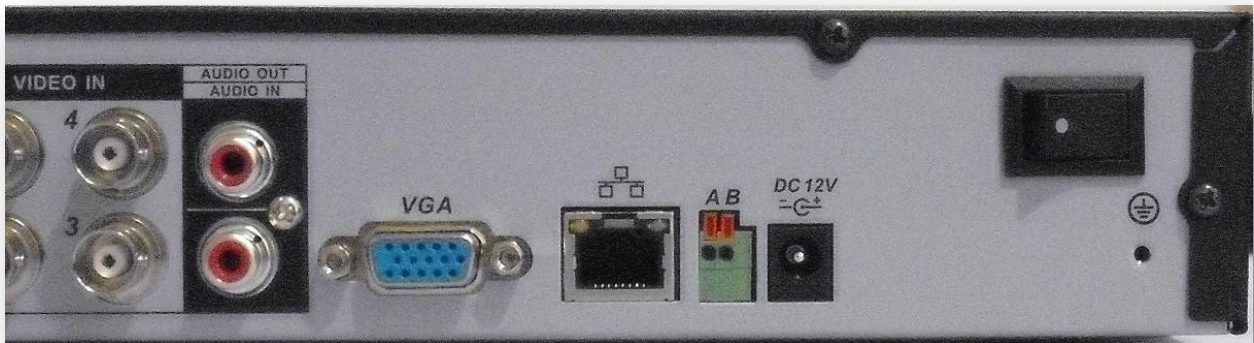
### Notable Features:

- Several different recording resolution options: **D1 resolution**(704X480) Resolution on all 4 channels at 7fps or less (adjustable frame rate) per channel, 28fps for the whole unit – **CIF Resolution** (352x240) on all 4 channels at 30 fps or less (adjustable), 120 fps for the whole unit – Channel 1 can be set to record at **D1 resolution** at 30FPS or less (adjustable) while the remaining channels would be set to **CIF resolution** at 30 FPS per channel (adjustable). Each channel also has fully adjustable bit rate quality settings that range from 32-2048 Kb/s
- This DVR does not have the HDMI output or Alarm input/outputs.
- State of the art PTZ controls with several different PTZ protocols to choose from. Mouse driven PTZ controls will allow the camera to follow movements of the mouse cursor.
- Fully adjustable recording settings. Record continuously, on a schedule, or on motion detection.
- Setup the DVR for the internet and view your cameras from any computer in the world. You can also view your cameras over your smart phone. Currently supported phone types are: Iphone and Android
- Send email alerts of a captured image based on motion detection.
- Control the DVR from 4 different methods. 1)Front keypad 2) Mouse 3) Remote Control, or 4) from the Remote Web Viewer
- Included CMS software allows you to view and connect several DVR's to one centralized computer.
- Supports 1 hard-drive (up to 2TB max)
- BNC and VGA outputs (VGA output has high resolution menu screens)
- Dual encoding streams supported – optional lesser video stream to make for quicker viewing over the internet for remote viewing and cell phone viewing.

- H.264 Video Compression
- 1 Channel Audio Recording
- Easily back up recordings to a USB flash drive or through the network remote viewer

System	
Operating System	Embedded LINUX
Control Methods	Front Panel, USB Mouse, IR Remote Control, Network
Video	
Video Input	4 Channel, BNC(1.0Vp-p, 75 ohms)
Video Output	1 BNC (1.0Vp-p, 75 ohms), 1 VGA
Video Output Signal Standard	NTSC
Available Video Displays	Single Cam Full Screen, Quad View, Sequential Full Screen Switching
Live Video Resolution	D1 (4CIF) 704x480
On Screen Displays	Camera Title, time, video loss, camera lock, motion detection, recording
Video Compression	H.264
Audio	
Audio Input	1 Channel, BNC(200-2000mv, 10k ohms) - Channel 1 can be used for bidirectional talk input for remote viewing use
Output	1 channel, BNC(200-3000mv, 5k ohms)
Audio Compression	G.711A
Hard Drive	
Hard Drive	Supports 1 Hard Drive (Sata Connection) up to 2 TB
Recording, Playback, and BackUp	
Recording Modes	Continuous, Schedule, Motion Detection
Bit Rate Image Quality	Fully adjustable per channel 32-2048 Kb/s
Playback	4 Channel Simultaneous Playback
Search Modes	Time/Date Calendar, Search motion only recordings, exact search (accurate to second)
BackUp Methods	USB Flash Drive, USB HDD, USB CD/DVD RW, Network Download
Playback Modes	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Previous File, Full Screen, Digital Zoom
Recording Quality	D1, HD1, CIF, QCIF
Recording Quality Frame Rate Modes	3 Options: 1) All Channels D1 1-7fps per channel 2) All Channels CIF 1-30fps per channel 3) Channel 1 D1 1-30fps, Remaining 3 channels CIF 1-30fps
Network	
Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email
Remote Operation	Monitor, Playback, System Settings, File Downloads, Log Information
Other Information	
USB Interface	2 Ports, 1 for mouse control, 1 for BackUp

Alarm Input	None
Alarm Output	None
Alarm Relay	None
Environmental	
Power Supply	DVR input is 12V DC 3.3Amps - Adapter Input is AC 100-240V, 50/60Hz
Power Consumption	25W
Working Temperature	14-131 degrees farenheit
Atmosphere Pressure	86kps-106kps
Dimension	13"x10"x2"
Weight	4.4 lbs (without Hard-Drive)



<u>Video:Other:</u>	
4 BNC Camera inputs	(1) RS-485 for PTZ
1 BNC Output	(2) USB Ports for mouse control and backup
1 VGA Output	
<u>Audio:</u>	
1 BNC Input	(1) RJ45 Network
1 BNC Output	port

## **Package Contents:**

(1) DVR Unit

(1) Network Cable

(1) USB Mouse

(1) Remote Control

(1) Power Supply

(1) Sata Hard-Drive Connector (These will already be installed if DVR comes included with Hard-Drive)