SM-PRO-8 Channel DVR Technical Specifications

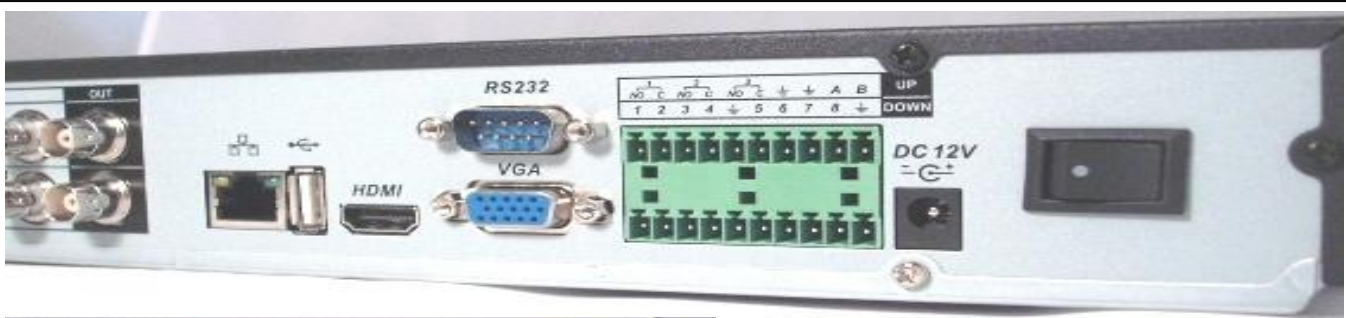

Notable Features:

- Several different recording resolution options: **D1 resolution**(704X480) Resolution on all 8 channels at 7fps or less (adjustable frame rate) per channel, 56fps for the whole unit – **CIF Resolution** (352x240) on all 8 channels at 30 fps or less (adjustable), 240 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 or less (adjustable). Each channel also has fully adjustable bit rate quality settings that range from 32-2048 Kb/s
- Fully adjustable recording settings. Record continuously, on a schedule, alarm based, or on motion detection.
- State of the art Mouse Driven PTZ controls. Several different PTZ protocols to choose from.
- 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 or alarm triggers.
- 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, VGA, and HDMI outputs (VGA and HDMI 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
- 8 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	8 Channel, BNC(1.0Vp-p, 75 ohms)
Video Output	1 BNC (1.0Vp-p, 75 ohms), 1 VGA, 1 HDMI
Video Output Signal Standar	NTSC
Available Video Displays	Single Cam Full Screen, Quad View, Sequential Full Screen Switching, 2 Types of 8 camera view options (#1 All 8 squares the same size or #2 1 large square and remaining 7 squares small)
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	8 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
Recoring, Playback, and BackUp	
Recording Modes	Continuous, Schedule, Motion Detection, Alarm
Bit Rate Image Quality	Fully adjustable per channel 32-2048 Kb/s
Playback	8 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, CIF, QCIF
Recording Qualtiy 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 7 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	8 inputs (choose whether they will be Normally Open or Normally Closed from DVR Menu)
Alarm Output	3 relay outputs
Alarm Relay	30V DC 2A, 125 VAC 1A (Activation Alarm)
RS-485	For PTZ Controls (DVR Supports Various PTZ Protocols including Pelco D & P)
RS-232	For Keyboard/ATM/POS Text Overlay Function
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 Fahrenheit
Atmosphere Pressure	86kps-106kps
Dimension	15"x11"x2"
Weight	4.4 lbs (without Hard-Drive)

Video:
8 BNC Camera Inputs
1 BNC Output
1 HDMI Output
1 VGA Output
Audio:
8 BNC Input
1 BNC Output

Alarm:
8 Input
3 Relay Output
Other:
(1)RS-485 for PTZ control
(1) RS-232 for ATM/
POS/Keyboard Functions
(2) USB Ports for Mouse
and USB Backup
(1) RJ45 Network 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)

(1) Software and instruction manuals on included Flash Drive

<u>Warranty Information</u>