



SM-ELITE-16 Channel DVR Technical Specifications



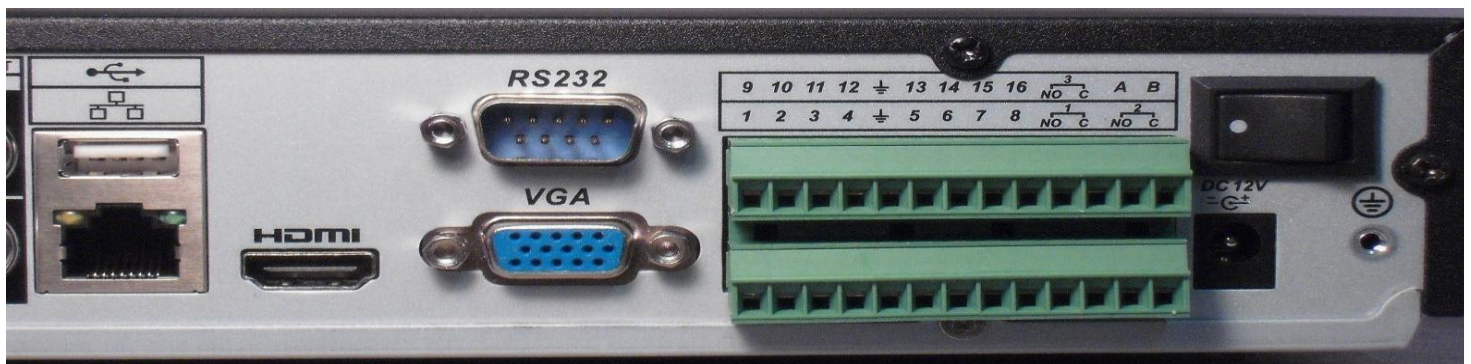
Notable Features:

- Full D1 Recording Specifications: D1 resolution (704x480) Resolution on all 16 channels at Real Time 30fps or less (adjustable frame rate) per channel, 480fps for the whole unit – **CIF Resolution** (352x240) on all 16 channels at 30 fps or less (adjustable), 480 fps for the whole unit – Each channel also has fully adjustable bit rate quality settings that range from 32-2048 Kb/s
- **Full Motion Real Time High Quality D1 Recording Resolution capability on all 16 Channels**
- Has 2 Hard Drive Slots, each can handle up to a 3TB HD for a maximum of 6 TB
- Dual Core processor allows for smooth simultaneous operation with no hang ups.
- High Quality Full D1 30 FPS recording resolution on each channel, at an economical price
- 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 Android or iPhone
- 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.
- 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
- 4 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	16 Channel, BNC(1.0Vp-p, 75 ohms)
Video Output	1 BNC (1.0Vp-p, 75 ohms), 1 VGA, 1 HDMI, 1 Spot Out BNC
Video Output Signal Standard	NTSC
Available Video Displays	Single Cam Full Screen, Quad View, 8 Camera View, 16 Camera View, Sequential Full Screen Switching
Resolution Output to Monitor	Optional: 1920x1080, 1280x1024, 1280x720, 1024x768
On Screen Displays	Camera Title, time, video loss, camera lock, motion detection, recording
Video Compression	H.264
Audio	
Audio Input	4 Channel, RCA
Output	1 channel, RCA
Bi-Directional Talk	1 Channel, RCA
Audio Compression	G.711A
Hard Drive	
Hard Drive	Supports 2 Hard Drives (Sata Connection) up to 3 TB each
Recording, Playback, and BackUp	
Recording Modes	Continuous, Schedule, Motion Detection, Alarm
Bit Rate Image Quality	Fully adjustable per channel 32-2048 Kb/s
Playback	16 Channel Simultaneous Playback
Search Modes	Time/Date Calendar, sort through regular, motion, or alarm recordings
BackUp Methods	USB Flash Drive, USB HDD, 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	1) All Channels D1 1-30fps per channel 2) All Channels CIF 1-30fps per channel ~ Each Channel is fully adjustable to choose between CIF, HD1 or D1
Network	

Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Emailm UPnP
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	16 inputs (choose whether they will be Normally Open or Normally Closed from DVR Menu)
Alarm Output	3 outputs (Normally Open)
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	12V DC 3.3 Amp
Power Consumption	15W Without HD
Working Temperature	14-131 degrees farenheit
Atmosphere Pressure	86kps-106kps
Dimension	14.7"W x 11.2"D x 1.77"H
Weight	5 lbs (without Hard-Drive)



<p><u>Video:</u> 16 BNC Inputs 1 BNC Output 1 VGA Output 1 HDMI Output 1 BNC Spot Output</p>	<p><u>Audio:</u> 4 RCA Inputs 1 RCA Output 1 RCA Input (Bidirectional)</p>	<p><u>Alarm:</u> 16 Alarm Inputs 3 Alarm Outputs</p>	<p><u>Other:</u> -RS485 for PTZ Control -RS232 for ATM/POS Text Overlay -2 USB for mouse and flash drive backup - RJ45 Network Port</p>
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Package Contents:

(1) DVR Unit

(1) Network Cable

(1) USB Mouse

(1) Remote Control

(1) Power Supply

Sata Hard-Drive Connector(s) (Quantities will vary depending on how many hard-drives are installed)

(1) Orientation Guide

Warranty Information