SEEnergy SVR-116 Network Video Recorder -

High Performance Network Video Recorder for SMB Applications

- ● **Manage up to 16 Network Cameras**
- ● **Compatible with Major Brand Cameras**
- ● **High Quality Live/Playback Video**
- ● **Export Playback Videos to AVI**
- ● **Advance PTZ Control**
- ● **Linux-embedded Operating System**
- ● **Various Types of Event Alerts**
- ● **SEEnergy Smart Camera Search**
- ● **User Level Access Control**
- ● **Pure Web Based Administration**

The SEEnergy SVR-116 is designed for use within a surveillance system, and performs recordings and playbacks pictures from network cameras in the system. It is a recording device using a hard disk drive to record camera pictures instead of using video tapes so that pictures recorded by repeated overwriting will not experience deterioration of the recorded picture quality. Up to 16 cameras can be connected via a network and it is possible to record their camera pictures. It is possible to perform the settings or operate the NVR using a web browser installed on a PC connected to a network, or remote controller. Recorded video can be played back from remote site by a PC. Up to 4 PCs (web browsers) can access this unit concurrently and it is possible to perform the settings and operate this unit. SVR-116 is compatible with most major brand cameras and its ability to automatically search and find the available cameras on the network can greatly reduce the user effort when expanding the system.

Preliminary

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SVR-116 -- Hardware Specifications

CPU and Memory
- ARM9 500Mhz/128MB DDR RAM

Ethernet
- 10BaseT / 100BaseT/1GBaseT and half duplex / full duplex auto-negotiation

HDD
- SATA HDD Slot x 2 (SATA I or SATA II)
- Max. Capacity: 3TB (1.5TB per HDD)

LED
- Cameras/Power/System/Network/HD/Alarm

Buttons
- Reset/Power/Buzzer
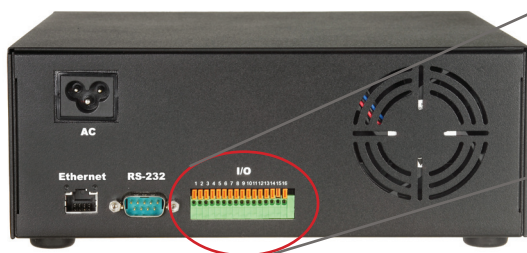
Connectors
- USB x 2
- RS-485
- DI/DO Connectors
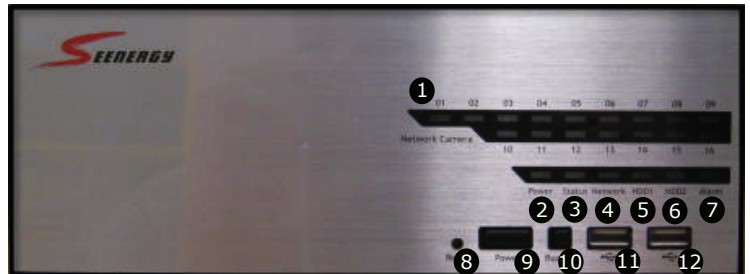- RS-232

Power
- 19V DC
- Power consumption: 90W

Dimensions
- 220 x 215 x 81 mm

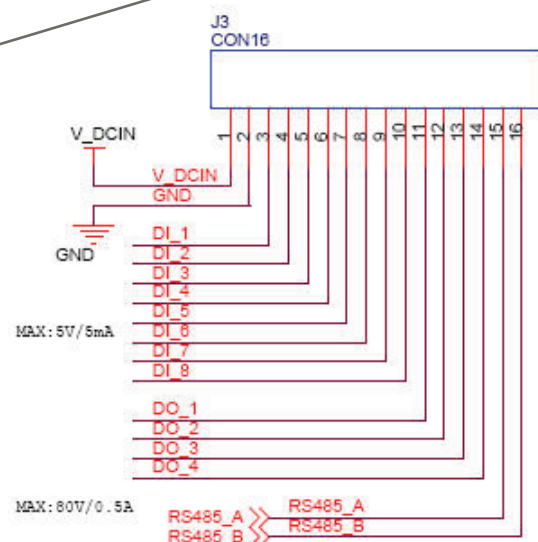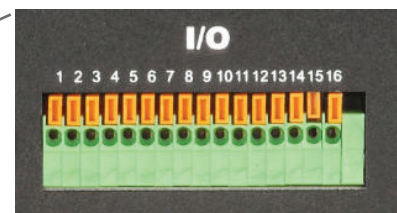|			
❶	LEDs for camera status	❼	Alarm LED
❷	Power LED	❽	Reset Button
❸	System Status LED	❾	Power Button
❹	Network Status LED	❿	Buzzer Stop Button
❺	Hard Disk 1 Status LED	⓫	USB 1
❻	Hard Disk 2 Status LED	⓬	USB 2

Weight
- 10lbs

Temperature
- Operating: 5 °C ~ 45 °C/41 °F ~ 113 °F
- Storage: -40 °C ~ 70 °C/-14 °F ~ 158 °F

Humidity
- 5% ~ 90% (non condensing)

Safety
- FCC Class A/CE/UL

Digital Input and Output

Pin	Signal
1	DCIN
2	GND
3~10	Alarm input
11	Out1
12	Out2
13	Out3
14	Out4
15	RS485+
16	RS485-

SVR-116 -- Software Specifications

Cameras

Add Camera	Manual/SEEnergy Smart Camera Search
Max. Channels	16
Supported Brands	Axis/Sony/Panasonic/AVTech/Canon/D-Link/ACTi/Zavio/ AMTK/Vivotek/Arecont Vision/Etrovision/Level 1/Mobotix/ Toshiba/Abus/Planet/Pixord/IQInvision/A-Linking/Brick- com/Hunt

Video

Compression	MJPEG/MPEG-4 Part 2/H.264
Resolution	HD/MegaPixel/FD1/CIF/QCIF
Max. Frame Rate	480 fps (D1) in MPEG4

Audio

Streaming	Two-way audio (requires firmware v1.2 or later)
Compression	G.711, G726

Live View

Display Mode	Live View/Playback/Full Screen
Split Screen	1/4/9 (My Favorite mode)/16
Full Screen	1/4/16
PTZ Support	Virtual PTZ Panel/Auto Pan/Preset Point/Preset Sequence/ Digital PTZ
Sequence Mode	Sequence All/Manually Selected cameras in 1/4 split view with configurable timer
Snapshot	Video snapshot in JPEG format
E-Map Monitor	Motion Detected Event Display on E-Map/Google Map
Mobile Device	Live image view through mobile device's web browser Support iPhone/Blackberry/WinMo 6.5/Symbiam S60

Playback

Split Screen	1/4
Seach Method	Time/Date, Event
Playback Controls	Play/Pause/Stop/Forward/Reverse/Speed Adjust/Frame by Frame
Export AVI	Export Playback Videos to Local Computer in AVI Format

Recording

Capacity	Depends on hard disk
Recording Mode	Manual/Continuous/Scheduling/Event
Scheduling Types	Manual Select/Profile-based/Weekly Mode

Network

Protocols	HTTP/SMTP/DHCP/ARP/NTP/DNS/UPnP/FTP
Streaming Pro- tocols	Depend on the supported cameras

User Management

Management	User/Group
Number of Groups	7 (Administrator/Guest**/**User Define * 5)
Privileges	Live View/Playback/System Configurations/Camera Con- figurations/Recording Configuration/Event Configuration/ Maintenance

Triggers & Events

Events	*System Events* -- System Start/Shutdown, System Set- tings modified, Camera Settings Modified, Start Recycle, Disk Full *Camera Events* -- Motion/Sensor Detection
Event Actions	Mail/FTP/Buzzer/Record
Event Recording	Pre/Post Event Settings

Central Management

Central Manage- ment	Support SEEnergy "π-Vu Central Basic" Central Manage- ment Software (CMS)

Power & Storage

UPS	Support External UPS System (firmware v1.2 or later)
Storage	Support SATA x 2, Max. 1.5TB per drive

Logs

Log Types	Alert/Event/User Access

Systems

Mini. Hardware Requirements	CPU: Intel Core 2 Duo @ 2.4 Ghz or higher RAM: 1GB or above Network: 100 Megabit Network Interface or above
Mini. Software Requirements	IE Browser version 7 or above

General

Languages	English/Trad. Chinese/Simp. Chinese/Japanese/Span- ish/Italian/German/Danish/Czech/Polish/French/Rus- sian/Slovensky/Hungarian/Portuguese
Packaging	SVR-116 (HD NOT included)/CD with Software tool/ Datasheet/Quick Guide/User's Manual/Warranty Card/ Power Adapter

Preliminary

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