Samsung Digital Video Recorder
SVR-1620/900

A must in Security

www.samsungcctv.com
www.webthru.net
1) High-Quality Video and Fast Image Display

The Samsung DVR can provide 30 fps (frames per second) of high-quality video per channel, providing a maximum of 480 fps of full motion video for 16 channels.

2) Large Capacity Storage & Diverse Back-up Devices

The Samsung DVR is fully equipped with two internal HDDs and uses a removable HDD for easy back up. Up to 4 TB-class storage capacity can be gained by connecting to four external HDD-Bays (10 HDDs/Bay), which solves the lack of recording capacity problem. Separate from the DVR HDD, a removable HDD or a VCR can be used for back-up storage. Also, CD-RW is available as an option.

3) Powerful Networking

The Samsung DVR enables you to conveniently operate and manage the main features of the DVR, such as live video display, multi/single playback, search by time/event, set-up menu, and screen capture, all from a remote location using a viewer over a LAN, ADSL, or other network.

4) Stability and Reliability

The Samsung DVR is a stand-alone system that is clearly superior to existing PC-based types in terms of stability and functionality. The unit is subjected to rigorous testing and quality control processes to insure their stability and reliability before the products are shipped.

5) Various user-friendly functions

The Samsung DVR is user-friendly: easy to follow menu structure, convenient firmware upgrade using a PC, video search / playback / menu setup with the Jog shuttle, and remote control operation of all functions. The unit features motion detection, Pan/Tilt/Zoom control, timer recording, recording resolution selection, 8-step recording quality settings, multi-level password protection, real-time audio storage, up-to 1,000 event lists storage, log file, and OSD language selection.

6) Stylish Yet Ergonomic Design

To differentiate from other DVRs, Samsung has adopted a stylish yet ergonomic design that provides ease of operation, new button styling, soft button touch, and a front cover. Only the most frequently used buttons have been placed on the exterior of the unit.

Samsung Digital Video Recorder SVR-900 and SVR-1620 are non-PC based, high-performance, stand-alone systems that provide high quality video, large capacity storage, powerful networking and various user-friendly functions in a stylish digital design.
### Samsung Digital Video Recorder

**Convenient Event Search by the 1st Recording Image**
- Maximum 1,000 event Lists

**Maximum 480 fps Live Image Monitoring**
- High density Live Image per one channel 30fps (frame/sec)

**2X Digital Zoom**
- With the Sub-Window, the image can be enlarged with two times zoom

**Easy Remote Control (IR)**
- 4 DVRs can be controlled by one remote controller (IR)

**Double Monitoring with Live & Playback Image in a single display with PIP**
- Live and Playback Image in a single monitoring with PIP
- Main and PIP Image is selectable between the live and Playback PIP Image can be shifted

**Pre-event Recording**
- Pre 5 second recording per each channel

### Various Back-up Devices

- Removable HDD, CD-RW

### HDD Size Calculator

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<thead>
<tr>
<th>NTSC</th>
<th>PAL</th>
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</thead>
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#### 320x240 Mode

<table>
<thead>
<tr>
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<th>Days</th>
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#### 256x192 Mode

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### POWERFUL DIGITAL SEARCH AND PLAYBACK WITH JOG-SHUTTLE

- Playback forward or backward with the change of the velocity

### VARIOUS BACK-UP DEVICES

- Removable HDD, CD-RW

### NTSC PAL

#### HDD Size Calculator

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* According to the resolution mode and recording days, HDD capacity is changeable.
Network Viewer
- Simple and Convenient Control with Icon Design
- Multi-function
  - Drag the mouse resize the Image
  - Multi Viewer connection
  - One mouse click is all that is needed to change between multi-image screen and single-image screen

LOG File
- History of the products to the maximum 1,000
  - System set up, Power on/off, Menu set up, S/W upgrade...

Motion Detection with Multi-zone
- Motion Detection with Multi-zone selection or Sensitivity from the selection of 3 grades
  - (High / Mid / Low)

Storage Capacity
- More than One Month Recording Capacity with only One HDD
  - Built-in 3 HDDs including Removable Back-up HDD
  - Maximum 4 extendable, External HDD-Bay (10 HDD / Bay)
  - One HDD-Bay is for more than 1TB Image Recording

Excellent Stability and Convenient Use
- Stand-Alone type which is more stabler than PC type
- Firmware UP-Grade with PC
- Convenient Menu Setup
- Image search / Playback / Menu Setup with Jog-shuttle

Powerful Networking
- Control and manage the major functions in a distance with the network viewer through LAN, ADSL
  - Live Image Display
  - Multi / Single Playback
  - Time / Event Search
  - Set-up Menu
  - Image Storage
What is a Digital Video Recorder?
The newly styled DVR (digital video recorder) from Samsung Techwin is a new generation DVR for high quality and highly reliable video security systems. The units are compact recorders that combine the function of a video recorder and multiplexer into a single unit with remote control functions. The SVR series DVR is designed to replace the combination of an analog time-lapse VCR and multiplexer. The units are equipped with a jog and shuttle for convenient playback and search. A multi-camera display of live video from all cameras can be viewed while recording and backing-up at the same time. Recording can be selected as either manual or scheduled. The units have event setup capability where the user can select motion detection, repeat an pre-alarm recording. The motion detection, video loss and freeze functions can assist the user in analyzing a burst situation within a selected area. 

All required functions in one unit. 
Additionally, the recorded image size and image quality of each channel is selectable. Recording can also be done continuously while in the repeat record mode. The recorded data will be overwritten with the internal HDD is full. Backing-up of the images from the main system to the removable HDD storage rack or the external HDD bay is easy and convenient. The unit has 8 levels of image quality recording capability and a self-contained HDD capacity of three HDD's including 1 removable HDD. An external HDD bay is available for 10 additional HDD's bring the total capacity to 13 HDD's. A optional network card allows the SVR series to viewed and operated remotely via an intranet or the Internet. Authorized users are able to view recorded images and search video images simultaneously.

Best solution for your system upgrade. 
The SVR series will give you the best solution when changing to a digitally based security system. Again, just plug in the cameras, connect the external devices and power on. It is that simple! You will have convenience and confidence in your new digital video security systems.
### Specification

**SVR-1620 / SVR-900**

**Video**
- **Input**: 16 / 9
- **Output**: Monitor: 2 (Multi/Single, Playback: 1), (VCR Back-up: 1)
  - Loop Output: 16 / 9

**Audio**
- **Input**: Mic: 1 (selectable)
  - Line: 1
- **Output**: Speaker: Line: 1

**HDD (E-IDE type)**
- **Internal**: 2 (HDD: 1)
- **Removable HDD**: Yes
- **Back-up**: CD-RW: Yes (option)
- **TCP / IP**: Yes
- **Live Display**: Yes
- **True playback**: Yes
- **Search**: Yes (Time, Event)
- **Password**: Yes
- **Communication**: Serial RS-232C / RS-485 / 422: Yes
- **Connector**: Firmware Upgrade: Yes
- **Password**: 8 Digital Password (2 Level)

**Electrical**
- **Power Source**: 115/230 VAC, 50/60Hz
- **Power Consumption**: 75W
- **Dimension**: 420(W) X 396(H) X 88(D)
- **Weight (Kg)**: 6
- **Environmental**: Operating Temperature: 0°C ~ 40°C
  - Humidity: 30% ~ 90%

**Features**

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
<th>Monitor</th>
<th>Loop Output</th>
</tr>
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<td>16 / 9</td>
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</table>

**Multi task**
- P: Playback, D: Download (Back-up), R: Record, T: NV Transmission
- Live: 1, 4, 9, 16 (640 x 480)
- Playback: 1, 4, 9, 16
- PIP: Live & Playback
- Manual: Yes
- Schedule: Yes
- Motion Detection: Yes (Multi-Area)
- Alarm event: Yes
  - Yes (Time, Event)
  - Repeat: Yes
  - Compression: MJPEG
  - Image Size: 640x480, 640x240, 320x240
  - Image Quality Level: Bitstep
  - The Size: 48KB (640x480), 24KB (640x240), 12KB (320x240)

**Record**
- **Input**: Mic: 1 (selectable)
- **Audio Line**: Yes
- **Output Speaker**: Yes
- **Internal**: 2, (R-HDD: 1)
- **HDD capacity**: Selectable
- **Multi task**: P: Playback, D: Download, R: Record, T: NV Transmission
- **Display**: Live: 1, 4, 9, 16 (640 x 480)
- **Playback**: 1, 4, 9, 16
- **PIP**: Live & Playback
- **Manual**: Yes
- **Schedule**: Yes
- **Motion Detection**: Yes (Multi-Area)
- **Alarm event**: Yes
- **Yes**: (Time, Event)
- **Repeat**: Yes
- **Compression**: MJPEG
- **Image Size**: 640x480, 640x240, 320x240
- **Image Quality Level**: Bitstep
- **The Size**: 48KB (640x480), 24KB (640x240), 12KB (320x240)

**Back-up**
- **Removable HDD**: Yes
- **CD-RW**: Yes (option)
- **TCP / IP**: Yes
- **Live Display**: Yes
- **Search**: Yes (Time, Event)
- **Password**: Yes
- **Device**: R-HDD, CD-RW
- **Manual / Select by ch, time**: Yes
- **Auto / Wth the event**: Yes
- **Input**: 16 / 9
- **Output**: (Alarm, MD, V-Loss, Power failure)
- **Yes**: (VGA)
- **Y, PB, PR**: Yes (24...)
- **PICT (Live/Playback)**: Yes
- **PAN T, TILT / ZOOM**: Yes
- **DSC (T, S, C, Z)**: Yes (Multi-Language)
- **Extra HDD Bay**: Yes (10 HDD / Bay)
- **Jog & Shuttle**: Yes
- **Communication**: Serial RS-232C, RS-485, 422: Yes
- **Firmware Upgrade**: Yes
- **Password**: 8 Digital Password (2 Level)
- **Electrical**
  - **Power Source**: 115/230 VAC, 50/60Hz
  - **Power Consumption**: 75W
- **Physical**
  - **Size (mm)**: 420(W) X 396(H) X 88(D)
  - **Weight (Kg)**: 6
- **Environmental**
  - **Operating Temperature**: 0°C ~ 40°C
  - **Humidity**: 30% ~ 90%

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