SSM (Samsung Security Manager)

**SSM (Samsung Security Manager) SAMSUNG NETWORK TOTAL MANAGEMENT SOFTWARE**

SSM is a one-stop management software platform that maximizes the efficiency of Samsung’s network products (including network cameras, encoders, DVRs and NVRs).

The client-server architecture features scalable video surveillance system management through multi-site and multi-client configuration. Access to live/recorded videos is extremely easy from remote sites making it suitable for medium to large-scale multi-site applications.

**SSM Features**

- **A system that offers flexibility and expandability**
  - Adding new or replacing old devices is an easy process so that they can be changed on demand or on system expansion, using a simple add/replace feature.
  - Immediate event management using an auto event reaction setting
  - Users can set specific reactions for a certain type of events, this allows for the immediate control of typical events, enhancing the monitoring efficiency.

- **A system with a unified management platform**
  - Samsung’s unified network video surveillance platform to maximize the benefits of network video surveillance solutions through an integrated management software whilst minimizing the complexity.

- **Efficient management via Multi-site & Multi-client configuration**
  - Numerous clients can administer video surveillance products installed across multiple sites. This helps maximise the efficiency of the monitoring system enabling real-time management by the authorized personnel.

- **Easy-to-use simple UI (User Interface)**
  - Most of the essential functionalities required by users are possible with SSM; including simultaneous monitoring of maps/live images, real-time event monitoring, playback and not forgetting an automatic health check of the entire system.

- **High performance**
  - The SSM is provided free of charge and is ideally suited to Samsung’s N/W Camera, Encoder, DVR/NVR system management.

**SSM System Manager**

- **VGA Monitor, Screen saver**
- **Keyboard/Mouse, Operation system**
- **8ch connection, 8ch CIF resolution display (using 1PC)**

**SSM System Manager**

- **OSD On/Off, Snapshot / Prints Image, Brightness/Contrast control, Keep Aspect Ratio/Original size, Deinterlacing, Flip, Digital zoom**
- **Video Control**
- **Simple recording**
- **Recording of the selected video tile during 1 hour**
- **Split View Mode for Map Layout, Zoom in/out, Video popup (Instant viewer), Camera /Sensor/Alarm icons on the map**
- **PtZ Control**
- **Area Zoom, Go to 1x zoom, PTZ Sensitivity, Focus, Zoom, Patrol, Swing/Autopan, Group/Scan, Trace/Pattern, Preset, Iris control**

**Support System**

- **Support System**
- **Storage**
- **Backup**
- **Local storage, back up format (AVI, SEC), Configurable schedule for backup (supported model only)**

**Language**

- **English, French, German, Spanish, Italian, Russian, Chinese, Japanese, Korean, Turkish, Polish, Czech, Serbian, Romanian, Hungarian, Portuguese, Swedish, Danish, Finnish, Dutch**

**Device Management**

- **Device management**
- **Site/User group/User account management, Permission management for viewer function**

**Event**

- **Event**
- **Plays the corresponding camera’s video image**
- **Display the selecting camera. Confirm the event, record event remarks and end the event status.**

**Event Actions**

- **Display the event action list of the device (event status, type, device, user, time)**
- **Real-time event list**

**Playback**

- **Playback**
- **Instant Viewer**
- **History**
- **Manual report (show events and statistics)**

**Audio**

- **Audio**
- **Audio supported audio Compression Format**
- **G.711 u-law (PCM), G.723, G.726 (ADPCM)**
- **H.264, MPEG-4, MJPEG**

**Screen Size**

- **Screen Size**
- **16:9 screen modes : 6/12/20/30**
- **4:3 screen modes : 1/4/6/8/9/10/13/16/17/21/25/36/49/64**

**CPU**

- **CPU Intel Core 2 Duo 2.83 GHz above**
- **RAM 2GB above**

**HDD**

- **HDD More than 20GB of free space for installation. (For operation, the system log database requires 10GB or more free space),**

**OpenGL compatible**

- **OpenGL compatible**
- **Display resolution : 1,280 x 1,024 above, OpenGL compatible**
**Multi-site / Multi-client monitoring**

Conventional monitoring solutions have an on-site administrator to control the local devices; this can limit the scope when expanding the monitoring system. The SSM supports multi-site / multi-client monitoring that removes this limitation making it suitable for mid to large sized monitoring applications.

**Configuration modules**

- **System Manager**: Manages every piece of connected equipment and listed user within the system
- **Console**: Provides the user with an interface for monitoring and control

**Expandability**

Network connected Samsung Techwin products are registered and managed by SSM server. The media gateway ensures that they are maintained in the best condition.

**Reliability and Security**

The server can search the connected equipment, support health checks and automatically upgrade each device to help prevent potential incidents.

**Efficient live monitoring**

Samsung’s intuitive UI design makes it simple to monitor live images and maps. One monitor can display 4/8/16/32/49 and a maximum of 4 monitors connected up to 1024CH can be monitored. The video images can be displayed in various formats: full screen, split screens, and 4-9x16, so that users can create best-fit layouts. If there are numerous administrators in a single control station, users can immediately load their own pre-saved display format layouts.

**Simultaneous monitoring/playback support**

While monitoring a live view, the user can also playback recorded data on the same or a different device at the same time, this allows the user to compare the recorded data showing the suspicious event part with the live view, helping to prevent potential incidents.

**Map monitoring**

With SSM, an administrator can set a map-based layout to match with the live videos in real-time. Overlaying camera or sensor icons means the resolving of issues becomes extremely easy. By utilizing map-based monitoring together with live monitoring, an event pop-up window will appear on the location where the event has happened helping towards a quick resolution to the event.

**Efficient Alarm/Event Monitoring**

When there is an event/alarm input, the SSM system manager will instigate a set of pre-set follow up actions of the related device. On an event occurs, manager and administrators can approve and write a comment on it. The result and status of the events are recorded and can be referred to in post-event reporting.

**Backup function**

Manual back up mode allows the user to select the required time-line, while the schedule back up mode will automatically back up the recorded data of the DVR/NVR at the pre-determined time. The backup can be done on the SSM PC and the user can extract the video when required.

**Easy, Convenient, and Smart Search and Backup**

As well as date/time, POS (if using a Samsung DVR/NVR that support POS recording) and event/time-line searches which support preview images, a user can additionally check past events in a certain area or ROI (Region of Interest). The Smart search from the SSM can extract the event that occurred in the ROI immediately reducing the search time.

**Various searching mode**

*Date/Time search*

*Event viewer*

*Report viewer*

*Easy, Convenient, and Smart Search and Backup*

**Event action**

The setting of follow up actions for each event can be managed in the event management function of the SSM. Matching motion detection, alarm or video loss with pop-up, move to preset and e-mail notification ensure prompt handling of events. For example, when network camera 1 gives a tampering event, pop-up camera 2 which is installed in the corridor next to the camera 1 is possible proving the required information to the security staff.