## SSM Professional / Enterprise

### General
- Multi-camera architecture
- High performance

### Central architecture

#### Multi-server
- Multi-server configuration
- High scalability

#### SSM-console
- Remote control
- Centralized management

#### Client
- Multi-client configuration
- SSM-console configuration

### Add-on Component

#### SSM-console
- Configuration
- Management

#### SSM-monitor
- System monitoring
- Event monitoring

#### Transcoder
- Screen Mirroring
- Cloud access

### Features
- Local PC, Recorder
- Audio Broadcasting
- Video / Audio Compression
- System Failover
- Multi-profile
- High-speed recording
- Multi-level user access authority
- Autoosaic Plug-in

### PERFORMANCE
- H.265, H.264, MPEG-4, H.264
- Video / Audio
- Multi-profile
- Pre-defined Layout
- Rule-based event setup

### Key Features
- Supports various recording modes:
  - Manual
  - Continuous
  - Event (pre/post) and schedule

## SSM Recording Server (Video Recording Server Solution)

### Key Features
- Four models from 16 to 128 channels recording
- Supports H.265, H.264, MPEG-4, JPEG codec
- 400Mbps / 100Mbps for Recording / Playback

### Recording
- Supports various recording modes:
  - Manual
  - Continuous
  - Event (pre/post) and schedule

### Playback
- Supports automatic data recovery from network failover with camera SD card (ARB)

### Device
- SSM-RS10L
- SSM-RS20L
- SSM-RS30L
- SSM-RS00L

### Deployment
- Samsung, Honeywell, JCI, etc.

### System
- Security
- Multi-level user access authority
- Data Security
- Multi-occurrence

### Basic Configuration
- Number of HDDs
- RAM 16GB, HDD-SATA

### Video codec
- G.711, G.723, G.726, AAC
- H.265, H.264, MPEG-4, MJPEG

### Audio codec
- 256bps, 512bps, 1Kbps, 2Kbps

### System Software
- Microsoft Windows 2008

### System Requirements
- RAM 2GB, CPU Intel Core i3, HDD 7200rpm

### System Controller Integration
- SSM-RS10L SSM-RS20L SSM-RS30L SSM-RS00L

### System Status Summary
- Real-time system monitoring
- Rule-based event action setup
- Feature level authority setup

### Event Monitoring
- Event type (normal, abnormal, etc.)
- Event list
- Date/time search

### Search & Playback
- Bookmark search
- Smart search
- Time search

### Operation
- Screen merge
- Manual alarm out control
- System controller integration

### Multi-server
- Multi-server configuration
- High scalability

### Client
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SSM-VM10L/20L

SSM Virtual Matrix (Video Wall Display Solution)

### General
- **Max. Number of Monitors:** 16, 36, 48 (H/W decoder)
- **Modules:** VM manager, VM gateway, VM decoder
- **Control Interface:** SSM console, VM manager

### Features
- **Live Monitoring:**
  - Wall layout
  - Wall sequence
  - Monitor sequence
  - Screen merge
  - Auto profile change
- **Event Monitoring:**
  - Wall spot
  - Monitor spot
  - Tile spot
- **Playback:**
  - Video playback on wall

### Misc.
- **Data Security:** SSL
- **3rd Party Video Wall Integration:** Leadtech
- **Recommended System:**
  - CPU: Intel Core i7-4770@3.40GHz
  - RAM: 8GB
  - Video memory: 2GB

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### Key Features
- 3 models from 16 to 48 monitors
- Consists of gateway, decoder and manager
- Provides various live monitoring modes: Wall layout, wall/monitor sequence and map monitoring
- Screens of multiple monitors can be merged like one monitor
- Event spot per wall, monitor and tile makes operators focus only on the event occurred live video

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SSM-TS10L

SSM Transaction Server (3rd party System Integration Solution)

### General
- **Supported System:**
  - Access Control: Samsung, Honeywell, AS, Gallagher, Siemens
  - Intrusion Detection: Bosch, Honeywell
  - Video analytics: AgentVi

### Access Control
- **Supported System:**
  - Samsung SAMS
  - Honeywell Pro3000 / Pro3200
  - JCI P2000
  - Siemens Sipass
- **Supported Event:**

### Intrusion Detection
- **Supported System:**
  - Bosch IP7400
  - Honeywell VISTA128
- **Supported Event:**
  - Detector: BURGLAR_ALARM

### Intercom
- **Supported System:**
  - Samsung SAMS
  - Stentofon XE1
- **Supported Event:**
  - Intercom: STATION_BUSY / STATION_FREE / STATION_DISCONNECT / STATION_CONNECTED / STATION_CALL_REQUEST / STATION_CHANGED

### Video Analytics
- **Supported System:**
  - AgentVi
- **Supported Event:**
  - Camera: ASSET_PROTECTION / CAMERA_TAMPERING / CROWN_DETECTION / LOTTERY_OCCUPANCY / STOPPED_VEHICLE / SUSPICIOUS_OBJECT /楽しみCamera / VEHICLE_TAILGATING
- **Recommended System:**
  - CPU: Intel Core i7-4770@3.40GHz
  - RAM: 8GB
  - Video memory: 2GB

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### Key Features
- 3rd Party System such as Access Control System, Intrusion Detection System and Video analytics can be Integrated with SSM by Transaction Server
- Provides Event Popup with Personal Information of a Person who Passed a Gate on Map
- Translated Events Can be Used as Event Action Setup that Can Meet on Various End-User Requirements

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*The latest product information / specification can be found at hanwha-security.com*

*Design and specifications are subject to change without notice.*
SSM-SC10L

SSM Screen Capture
(PC Screen Capture and Streaming Solution)

FEATURES

Video Source
- Max. Resolution: 2560 x 1600
- Source: PC monitor screen

Video Stream
- Protocol: IPCAM2
- Video Codec: H.264, MJPEG
- Audio Codec: G.711
- Max. Output stream: 5
- HW Acceleration (H.264)
  - NVidia: GTX-650 series, 340.33 driver
  - Intel: HD 2000
  - AMD VGA: Radeon HD 7700, R7 250, R9 270
  - Single Monitor is needed for AMD

MISC.
- Language: English, Korean
- System Requirements
  - Recommended CPU: Intel Core i7-4770@3.40GHz
  - RAM: 8GB
  - HDD: 10GB
  - Video Memory: 2GB
  - DirectX 9.0

• Captures PC screen and make Video Stream
• The Video Stream acts same as a camera so it can be displayed on SSM console or recorded in Recording Server
• Supports max. 2560 x 1600 Resolution
• Supports H.264 and MJPEG
• Supports max. 5 Output streams

Key Features

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SSM-TC10L

SSM Transcoder
(Video Transcoding Solution for Mobile Users)

GENERAL

Supported Client: SSM Mobile
Video Source: Recorded Video Data for Playback

FEATURES

Video Input
- Max. Channels: 10
- Codecs: Input: H.264, MJPEG, MPEG-4
- Resolution: 5M

Video Output
- Codecs: H.264 High Profile at 50 GOP size
- Codecs: 25fps-D1
- 25fps-CIF
- 30fps-QCIF
- Entropy Coding Type: CAVLC
- Deblocking : ON
- Bit rate Type: VBR

• Transcoder is for Mobile users in Bandwidth Limited Environment
• Transcoder Runs in Media Gateway and Activated by Additional License
• Supports H.264, MPEG-4, MJPEG
• Max. 10 Streams Can be Transcoded
• Max. D1 Resolution for Transcoded Output Stream

Key Features

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### GENERAL

**Failover Architecture**  
Active (Target) - Standby, N + M Redundancy

**Target Servers**  
Recording Server, Media Gateway, Video Matrix Gateway

**Max Target Server**  
Unlimited

**Configure Interface**  
IE 9, FireFox 12, Safari 5.1, Chrome 18

### FEATURES

- **Standby Server**  
  Heartbeat Check

- **Standby Server**  
  Data Recovery on RS

- **Auto Failback**

- **Data Recovery**  
  Auto Recovery

- **Pause-Resume**  
  Yes

### REQUIREMENTS

**Storage Needed**  
Needs More Than 2GB

**Disk limitation for RS**  
2 HDDs for the Recording and Recovery Except the OS Disk

### Key Features

- Failover Solution for Recording Server, Media Gateway and Virtual Matrix Gateway
- Active and Standby Failover architecture
- Number of Target Server is not Limited
- Configuration Can be Done by any Browsers

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### SSM Mobile Viewer for Android / iOS

#### GENERAL

Max Video Resolution: 1920 x 1080

**Device List with Thumbnail Image**

**Mobile Network Status Display**

**FEATURES**

**Live Monitoring**

- Screen-split Mode: 1, 4, 9, 16
- PTZ Control
- Digital Zoom
- Camera Focus Control
- Audio Listen
- Auto / Manual Profile Change

**Search & Playback**

- Date / Time Search
- Event Search
- Bookmark Search
- Playback Resolution Change

**MISC.**

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

- **Operating System**
  - Android OS 4.4.x, 5.0.x, 6.x
  - iOS 7, iOS 8, iOS 9

- **Recommended System Requirements**
  - Android: 1.4GHz, RAM 2G, Available RAM 1G or more, Network 3G, 4G (LTE), Wi-Fi.
  - iOS: 1.4GHz, RAM 2G, Available RAM 1G or more, Network 3G, 4G (LTE), Wi-Fi.

- **Mobile Phone Tested**
  - Android: Galaxy S3 (v4.4.4), Galaxy S5 (v4.4.2)
  - Galaxy S6 Edge (v6.0.1), Galaxy Note 4 (v5.1.1)
  - Galaxy Tab S2 10.1 (v5.0.2)
  - iOS: iPhone 5S (v8.4.1), iPhone 6 (v8.1.1), iPhone 6S (v9.2), new iPad 3 (v7.0.4), iPad 2 (v8.3)

- For proper monitoring with SSM Mobile on your device, the device should fulfill the system requirements.

- The SSM Mobile Application Can be Downloaded from Google Play Store & Apple App Store.

**Key Features**

- Local / Remote Connection to SSM
- View Layout / Device List by User
- View Live Streaming Video with PTZ Control
- Supported Format: H.264, MJPEG
- Video Image Flip / Mirror, Video Image Capture
- Calendar Search / Playback / Bookmarks Functions
- SSM Login for Security
- Quick & Easy Access at Mobile Environment & Wi-Fi Networks
- Supported Format: H.264, MJPEG
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- Calendar Search / Playback / Bookmarks Functions
- SSM Login for Security
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- Compatible with “Dynamic Domain Naming Service” (DDNS)
- Multi-Language

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