SSM v1.5		Enterprise
General		
Maximum number of cameras		Unlimited
Maximum number of clients		Unlimited
Centralized management		Yes
Architecture		Multi-server
Clients		SSM Console, Configuration Manager, SSM Mobile
Supported devices		Network camera/encoder/decoder, DVR/NVR
Component		
System Manager		Yes
Media Gateway		Yes
Recording Server		Yes
Virtual Matrix		Yes
Screen Mirroring		Yes
Tranaction Server		Yes
Transcoder		Yes
Federation		Yes
Failover Server		Yes
Server		
Media Gateway	Max. Media Gateway	Unlimited
	Max. Bandwidth(In/Out)	400/600Mbps*
	Max. devices per server	128 network cameras or 288 cameras of recorder*
	Live multi profile	Yes
	External Unit	MOXA, Adventec
Recording Server	Max. cameras	128
	Recording performance	400Mbps*
	Playback performance	100Mbps
	Mode	Manual, Continuous, Pre/Post Event, Schedule
	Video Summary	Yes
	Event Boostup Recording	Yes
	ONVIF protocol	Profile S**
Virtual Matrix	Max. monitors	48
	Modules	VM Manager, VM Gateway, VM Decoder
	Sequence monitoring	Yes
	Event monitoring	Yes
	Map monitoring	Yes
	Playback on wall monitor	Yes
	Screen merge	Yes
Screen Mirroring	PC screen streaming for recording	Yes
	Max. monitors	4
	Max. streaming	5
	Frame rate	Up to 30fps
Transaction Server	Video Analytics integration	Agent Vi
	Access control integration	Samsung SAMS, Honeywell PRO3000/3200, JCI P2000
	Intrusion detection integration	Bosch IP7400, Honeywell VISTA128
Transcoder	Playback transcoding for mobile	Yes (by MG)
	Max. input resolution	5M
	Max. output resolution	D1
	Max. transcoding channels	10
Federation	Max. site hierarchy level	4*
	Max. sites	25*
	Cameras per site	288*
Failover Server	Auto system failover	Yes
	Target server	SM, MG, RS, VM
	Architecture	Active / Standby
Video Analytics Server	Real time detection	Yes
	Video search	Yes
	Business intelligence	Yes
Misc.	Auto Recovery Backup	Yes
	Data Security	SSL
	LDAP (Active directory)	Yes
Console		
General	Multi-monitor	Up to 4
	System health monitoring	Yes
	System controller integration	SPC-2000, SPC-7000, Axis T8310

Live Monitoring	Sequence monitoring	Yes
	Pre-defined layout	Yes
	User defined layout	Yes
	PTZ control (Preset, Trace, Group, Swing, Tour)	Yes
	PTZ Area Zoom	Yes
	Set preset	Unlimited
	AUX control	Yes
	Digital zoom	Yes
	Fisheye camera view (Panoramic, dewarping)	Yes
	Two-way Audio	Yes
	Audio broadcasting	Yes
	Simple Recording	Yes
	Playback on live	Yes
	Map monitoring	Yes
	Google map monitoring	Yes
	Auto Profile Change	Yes
	Favorite (Live video layout bookmarking)	Yes
	Export image	Yes
	Video wall control	Yes
Search & Playback	Date/Time search	Yes
	Event search	Yes
	POS search	Yes
	Local folder search	Yes
	Bookmark search	Yes
	Smart search with video meta data	Yes
	Video Summary	Yes
	Heat-map (for NVR)	Yes
	Motion search (for DVR)	Yes
	Synchronous playback	Yes
	Export image	Yes
Event Monitoring	Real-time event monitoring	Yes
	Event thumbnail image	Yes
	Event handling	Yes
	Event search	Yes
	Instant viewer	Yes
	Instant player	Yes
	Rule based event setup (Email, Tour, Preset, etc.)	Yes
	Event notification with SNMP	Yes
	Event history	Yes
	Event report	Yes
Dashboard	Real-time system monitoring	Yes
	System status summary	Yes
	Detailed system status	Yes
	Event statistics graph	Yes
Video export	Watermark	Yes
	Password Authentication	Yes
	Privacy masking	Yes
Archiving (Schedule backup)	Schedule backup	Yes
	Target drive (DAS, NAS)	Yes
	Select Event type	Yes
Misc.	Customizable Plug-in (BI Server, etc.)	Yes
	User management (different access level, permission)	Yes
	Configuration export/import	Yes
	Configuration camera with link of camera web page (tour, swing, etc.)	Yes
Mobile		
General	Max. video resolution	1920 x 1080
	Device list with thumbnail image	Yes
	Mobile network status display	Yes
Live Monitoring	Screen-split mode	1, 4, 9, 16
	PTZ control	Yes
	Screen capture	Yes
	Digital zoom	Yes
	Camera focus control	Yes
	Audio Listen	Yes
Search & Playback	Date/Time search	Yes
	Event search	Yes
	Bookmark search	Yes
	Playback resolution change	O (Transcoder is needed)

SSM v1.5 Model List

SSM Professional

	Model	Product Description
Recording Server	SSM-RS00L/EX	16ch recording per Server
	SSM-RS10L/EX	36ch recording per Server
	SSM-RS20L/EX	72ch recording per Server
	SSM-RS30L/EX	128ch recording per Server
Virtual Matrix Server	SSM-VM00L/EX	for SPD-400/1600
	SSM-VM10L/EX	16 video wall monitors control
	SSM-VM20L/EX	36 video wall monitors control
Screen Mirroring	SSM-SC10L/EX	Screen Mirroring feature for PC screen recording

SSM Enterprise

	Model	Product Description
Basic License	SSM-SM10L/EX	Enterprise base license
Recording Server	SSM-RS00L/EX	16ch recording per Server
	SSM-RS10L/EX	36ch recording per Server
	SSM-RS20L/EX	72ch recording per Server
	SSM-RS30L/EX	128ch recording per Server
Virtual Matrix Server	SSM-VM00L/EX	for SPD-400/1600
	SSM-VM10L/EX	16 video wall monitors control
	SSM-VM20L/EX	36 video wall monitors control
Video Analytics Server	SSM-VAS/EX	Video Analytics server
	SSM-VART/EX	Video Analytics channel for Live event
	SSM-VABI/EX	Video Analytics channel for Business Intelligence
	SSM-VASQ/EX	Video Analytics channel for Video Search
Transaction Server	SSM-TS10L/EX	3`rd party integration (ACS/IDS)
Screen Mirroring	SSM-SC10L/EX	Screen Mirroring feature for PC screen recording
Transcoder	SSM-TC10L/EX	Transcoding feature for mobile playback

SSM Recording Server		SSM-RS00	SSM-RS10	SSM-RS20	SSM-RS30
General					
Supported Device		Network camera, encoder			
Protocols		Samsung	Samsung, ONVIF(Profile S)		
Max. register channel		16	36	72	128
Features					
Video/Audio	Video Compression	H.264, MPEG-4, JPEG			
	Multi-profile	Live 1, Live 2, Record, Mobile			
	Audio Compression	G.711 u-law (PCM), G.723, G.726 (ADPCM)			
Recording	Performance	Up to 400Mbps(Min. 4 HDDs needed)			
	Manual Recording	Yes			
	Continuous Recording	Yes			
	Event Recording	Yes			
	Schedule Recording	Yes			
	Audio Recording	Yes			
	Pre/Post Event Recording	Pre : 10 ~ 60 seconds(Max. duration is varied depends on channels) Post : 1,200sec			
	Selectable storage drive	Select drive for write or playback only, max file size is 300MB or 1hour data.			
	Drive information	Drive type, total space, used space, free space			
	Retention period per each camera	Yes			
	Event Notification	Audio, E-mail, To-console notification - recording fail, NAS connection fail, disk full, etc.			
Search & Playback	Performance	Up to 100Mbps, Up to 16 channels			
	Time Search	Yes			
	Event Search	Yes			
	Timeline Search	Yes			
	Smart Search with video meta data	Yes			
	Bookmark Search	Yes			
	Video Summary	Yes			
	Synchronous Playback	Yes			
System	Security	Multi-level user access authority			
	Number of HDDs	Up to 23			
	Supported Storages	SATA2 7200rpm, e-SATA, SAS, iSCSI, NAS - Pivot3, PROMISE, EMC isilon			
	System Failover	Yes (by SSM-HA)			
	Network Failover	Yes (Auto Recovery Backup)			
	Time synchronization	NTP			

* Only 1 Recording Server connection is available with Samsung Security Manager when use the trial version.

SSM Virtual Matrix		SSM-VM10	SSM-VM20	SSM-VM00
General				
Maximum number of monitors		16	48	48
Modules		VM Manager, VM Gateway, VM Decoder * SSM-VM00 uses H/W decoder instead of VM Decoder		
Control interface		SSM Console, VM Manager		
Features				
Live Monitoring	Wall Layout	Upto 8x8 split mode		
	Wall Sequence	Yes		
	Monitor Sequence	Yes		
	Map monitoring	Yes		-
	Screen Merge	Yes		-
	Auto profile change	Yes		-
Event Monitoring	Wall spot	Yes		-
	Monitor spot	Yes		-
	Tile spot	Yes		-
Playback	Video playback on wall	Yes		-
Misc.				
3rd party IP video wall integration		Leadtech		
Data Security		SSL		

SSM Screen Mirroring		SSM-SC10
Features		
Video Source	Max. Monitors	4
	Max. Resolution	2560x1600
	Supported Capture card	Supercast x6 HDMI
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)
General		
Language		English, Korean

SSM Video Analytics		SSM-VA
General		
Supported client		SSM Console, SSM Vi-Manager, SSM Vi-Statistics Reports, SSM Vi-Analyst
Video source		VGA, 15fps (recommended)
Architecture		Multi-server
Features		
Real time detection Rules		Moving in an Area (Person/Vehicle)
		Crossing a Line (Person/Vehicle)
		Tailgating (Person/Vehicle)
		Loitering
		Crowding
		Occupancy
		Stopped Vehicle
		Suspicious Object
		Asset Protection
		Lighting Detection
Video Search	Search Criteria	Camera selection
		Time period specification
		Target Type (Person/Vehicle/Object)
		Target Behavior (Moving, Crossing, Suspicious object, Asset removed)
		Target Color
		Target Size
		Dwell Time
	Search Result	Thumbnails
		Video Summary
		Target Path/Location
Business Intelligence		Counting (People/Vehicles)
		Heatmap
		Occupancy (People)
		Crowding (People)

SSM Transaction Server		SSM-TS			
Access Control Events		**Samsung SAMS**	**Honeywell Pro3000**	**Honeywell Pro3200**	**JCI-P2000**
Controller Event	INPUT_SIGNAL_OCCURRED	Yes	Yes	Yes	Yes
	INPUT_SIGNAL_RELEASED	Yes	Yes	Yes	Yes
	SYSTEM_SETUP_MODE	Yes	-	-	-
	INPUT_DISCONNECTED	Yes	Yes	Yes	Yes
Door Event	ACCESS_GRANTED	Yes	Yes	Yes	Yes
	ACCESS_DENIED	Yes	Yes	Yes	Yes
	INVALID_TIME_SCHEDULE	Yes	Yes	Yes	Yes
	ANTIPASS_BACK_ENTRY	Yes	Yes	Yes	Yes
	ANTIPASS_BACK_EXIT	Yes	-	-	-
	INVALID_PASSWORD	Yes	Yes	Yes	Yes
	ACCESS_DOOR_ERROR	Yes	Yes	Yes	Yes
	BIOMETRIC_ERROR	Yes	-	-	Yes
	DURESS_ALARM	Yes	Yes	Yes	Yes
	ARM	Yes	-	-	-
	DISARM	Yes	-	-	-
	OVERTIME_DOOR_OPENED	Yes	-	-	Yes
	OVERTIME_DOOR_CLOSED	Yes	Yes	Yes	-
	FORCED_DOOR_OPENED	Yes	Yes	Yes	Yes
	2MEN_TIME	Yes	-	-	Yes
	ACCESS_TRIAL_WHITE_ARMED	Yes	-	-	-
	IO_STAUS_CHANGE	Yes	Yes	Yes	Yes
Intrusion Detection Events		**Bosch IP7400**	**Honeywell VISTA128**		
Event	Burglary alarm	Yes	Yes		
Intercom		**STENTOFON XE1**			
BMS		**OPC**			
Fire alarm		**GST2000**			

SSM Transcoder		SSM-TC
General		
Supported client		SSM Mobile
Video source		Recorded video data for playback
Features		
Video Input	Max channels	10
	Codec	Input: H.264, MJPEG, MPEG4
	Resolution	5M
Video Output	Codec	H.264 high profile at 50 GoP size
	Resolution & fps	20 fps @ D1 25 fps @ CIF 30 fps @ QCIF
	Codec Misc.	Entropy coding type = CAVLC Deblocking = ON Bit rate type = VBR

SSM Failover Server		SSM-HA
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	Failover	Thru heartbeat check
	Heartbeat	1 second
Failover	IP Address	Yes
	Data recovery on RS	Yes
	Auto Failback	Yes
Data Recovery	Auto Recovery	Yes
	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
System requirements		Active and standby system spec should be same.(OS, HDD's, Ethernet)

System Requirement		
System Manager Media Gateway Transaction Server	Recommended	CPU Intel Core i7 RAM 8GB, 20 GB HDD(SSD is recommended)
	Operating System	Windows 7, Windows 8/8.1, Windows 10, Windows Server 2008 R2, Windows Server 2012 R2 * For utilizing Dashboard feature Windows Server 2008/2012 R2 64bit is needed for System Manager
Recording Server	Recommended	CPU Intel Core i7 RAM 16GB, HDD SATA II 7200rpm(SSD is recommended for OS) * RAID : RAID5, 8Bay, HW RAID Controller(AF supported)
	Operating System	Windows Server 2008 R2*, Windows Server 2012 R2*, Windows 7, Windows 8/8.1, Windows 10 * Recommended
Video Analytics Server	Recommended	CPU Intel Core i7 RAM 16GB, 20GB of free disk space
	Operating System	Windows 7, Windows Server 2008 R2, Windows Server 2012 R2 (64bit) MS SQL Server 2008 RS, 2012 (Standard and Enterprise editions)
SSM Console Virtual Matrix Server Screen Mirroring Server	Recommended	CPU Intel Core i7 RAM 8GB, 10 GB HDD, NVIDIA GTX760, Video Memroy 2GB, DirectX 9.0
	Operating System	Windows 7, Windows 8/8.1, Windows 10 VMG : Windows Server 2008 R2, Windows Server 2012 R2 Recommended
Failover Server(HA)	Recommended	Need to follow target server system requirement