SSM Professional / Enterprise

GENERAL		Professional	Enterprise
Maximum N	umber of Cameras	288	Unlimited
Maximum I	Number of Clients	5	Unlimited
Centralized	Management	Yes	Yes
Architectur	e	Multi-server	Multi-server
Clients		SSM console, Configuration	SSM console, Configuration
enerito		manager, SSM Mobile	manager, SSM Mobile
Supported	Devices	Network Camera / Encoder / Decoder, DVR / NVR	Network Camera / Encoder / Decoder, DVR / NVR
SUMMARY		Decodel, DVII/ HVII	Decoder, Dwit/ Hvit
Basic	System Manager	Yes	Yes
Component	Media Gateway	Yes	Yes
	Recording Server	Yes	Yes
	Screen Mirroring	Yes	Yes
Add-on	Virtual Matrix	-	Yes
Component	Tranaction Server	-	Yes
	Transcoder	-	Yes
	Failover Server	-	Yes
	Live Monitoring	Yes	Yes
	Search Playback	Yes	Yes
	Event Monitoring	Yes	Yes
	Map Monitoring	Yes	Yes
	POS/ATM Monitoring	Yes	Yes
	Wall Management	-	Yes
eatures	Google Map Monitoring	-	Yes
	Video analytics Monitoring	-	Yes
	Advanced Health Monitoring	-	Yes
	Access Control Monitoring	-	Yes
	Video Summary Search	-	Yes
	Active Directory Integration	-	Yes
COMPONE	Site Federation	-	Yes
LOWPONE	Max. Media		
	Gateway's	4	Unlimited
Media	Max. Bandwidth	400/600Mbps	400 / 600Mbps *
Gateway	(In/Out)	· · · · · · · · · · · · · · · · · · ·	
	Max. Devices per Server	128 network cameras or 288 cameras of recorder	128 network cameras or 288 cameras of recorder *
	Max. Cameras	128	128
	Recording		
	Performance	400Mbps	400Mbps *
	Playback	100Mbps	100Mbps
	Performance		
Recording	Mode	Manual, Continuous,	Manual, Continuous,
Server	Auto Recovery	Event (Pre / Post), Schedule	Event (Pre / Post), Schedule
	Backup	Yes	Yes
	Video Summary	-	Yes
	Event Boostup	Yes	Yes
	Recording		
	ONVIF Protocol	Profile S (except SSM-RS00L)	Profile S (except SSM-RS00L)
	PC screen Streaming	Yes	Yes
Screen	for recording Max. monitors	4	4
Mirroring		5	5
0	Max. Streaming Frame rate	5 Up to 30fps	Up to 30fps
	Max. Monitors	-	48
			VM manager, VM Gateway,
	Modules	-	VM decoder
	Sequence	-	Yes
Virtual	Monitoring		
Matrix	Event Monitoring	-	Yes
	Map Monitoring	-	Yes
	Playback on Wall Monitor	-	Yes
	Screen Merge	-	Yes
			Samsung, Honeywell, JCI,
	Access Control	-	Gallagher, Siemens
Transaction		-	Bosch, Honeywell
Server	Detection Intercom	-	Samsung, Stentofon
	Video analytics	-	Agent Vi
	Playback transcoding	-	For console and Mobile
	Max. Input		
	Resolution	-	5M
Franscoder	Max. Output	-	D1
	Resolution	-	D1
	Max. Transcoding	-	10
	Channels Max. Site		
	Hierarchy Level	-	4*
Federation	Max. Sites	-	25 *
	Cameras per Site	-	288*
	Auto System Failover		Yes
Federation Server	Target Server	-	MG, RS, VM

CONFIGUR	ATION & MAINTEI	Professional NANCE	Enterprise
20111001	SetupFile Backup/Restore		Yes
General	Login Fail Time Limitation	Yes	Yes
General	Time sync	with NTP or a server component	with NTP or a server component
	Data Security	SSL	SSL
	Device Discovery	Auto / Manual	Auto / Manual
System	Device name Syncronization	Server, Recorder to SSM	Server, Recorder to SSM
Management	Edits / mutli-Device Names	Yes	Yes
	Server Setup File Import/Export Device Firmware Update	Yes	Yes
	Device Access Authority Setup	Yes	Yes
User	Feature Level Authority Setup	Yes	Yes
Management	LDAP Integration	-	Yes
Event	Event Priority Setup	From 1 to 10 with color	From 1 to 10 with color
Event Management	External Event Integration	Yes	Yes
manayement	Rule Based Event Action Setup	Yes	Yes
	Real-time System Monitoring	-	Yes
System	System Status Summary	-	Yes
Dashboard	Detailed System Status	-	Yes
	Event Statistics Graph	-	Yes
OPERATIO	N Viewers	Live, Search, Event	Live Search Event Coogle Map Dive in
	Multi-Monitor	Live, Search, Event Up to 4	Live Search, Event, Google Map, Plug-in Up to 4
	Video Decoding Via GPU	Nvidia CUDA processor	Nvidia CUDA processor
	System Health Monitoring	Yes	Yes
General	Screen lock	Yes	Yes
	Multicast	-	Yes
	Auto bandwidth control	Changes camera profile, I-frame mode and	Changes camera profile, I-frame mode and
		deblocking by split Format automatically	deblocking by split Format automatically
	System Controller Integration	SPC-2000, SPC-7000	SPC-2000, SPC-7000, Axis T8310
	Number of Channels for Live	100CH	100CH Yes
	Sequence Monitoring Pre Defined Layout	Yes	Yes
	User Favorite Layout	Yes	Yes
	PTZ Control	Yes	Yes
	PTZ Area Zoom	Yes	Yes
	Digital Zoom	Yes	Yes
	Fisheye Camera View	Single, guad, panoramic	Single, quad, panoramic
Live Monitoring	Two-way Audio	Yes	Yes
wonitoring	Audio Broadcasting	Yes	Yes
	Manual Recording	Local PC, Recorder	Local PC, Recorder
	Playback on Live	Yes	Yes
	Video Adjustment	Brightness, Contrast	Brightness, Contrast
	Video Enhancing	Deintelace, Flip, Defog	Deintelace, Flip, Defog
	Manual alarm out control	Yes	Yes
	Export/Print Image	Yes -	Yes
	Video Wall Control Live event list	- Yes	Yes
	Event Thumbnail Image on Live	Yes	Yes
	Event Acknowledge	Normal, abnormal, etc with note	Normal, abnormal, etc with note
	Instant Viewer	Yes	Yes
Event	Instant Player	Yes	Yes
	Event Search	Yes	Yes
-	Event Sequential Playback	Yes	Yes
	Rule Based Event Setup	Yes	Yes
	Event Handling History	Yes	Yes
	Event Report	Yes	Yes
	Number of Channels for Playback	Yes	Yes
	Date/Time Search	Yes DDE file with chart and graph	Yes RDE file with chart and graph
	Event Search Local Folder Search	PDF file with chart and graph Yes	PDF file with chart and graph Yes
	Bookmark Search	Yes	Yes
	Smart Search	Yes	Yes
	Video Summarv	-	Yes
Search &	Heat-Map (for NVR)	Yes	Yes
Playback	Motion Search (for DVR)	Yes	Yes
		Yes with color variaion per recording Type	Yes with color variaion per recording Type
	Synchronous Playback	Yes	Yes
	Export Video/Image	SEC, AVI	SEC, AVI
	2 Men Rule	Yes(Backup for SSM,	Yes(Backup for SSM,
	Backup	Search&Backup for NVR) Scheduled backup, Masking backup,	
		Onetime schedule backup Yes	Onetime schedule backup
	2D/3D image Map Monitoring Number of layout Format for Map		Yes 10
	Map link on Map		Yes
Monitoring	Set Coordinates for 2D map	Yes	Yes
with Map	Export Image	Capture, Print	Capture, Print
	Google Map Monitoring	-	Yes
	Measure Distance on Google Map		Yes
	PoS Recept Display on Live		Yes
PoS	PoS instant Viewer		Yes
integration	PoS Search	Yes	Yes

SSM DC101 /201 /201

SSM-RS10L/20L/30L			SSM-RS10L	SSM-RS20L	SSM-RS30L	SSM-RS00L
SM Recording Server	DEVICE					
Video Recording Server Solution)	Supporte	d Device	Network camera	, Encoder		
	Supported Protocols		Samsung, ONVIF	profile S		Samsung
	Max. Regi	ster Device	36	72	128	16
	PERFORM	IANCE				
Recording		Video Compression Format	H.265, H.264, MP	.G-4, MJPEG		
	Video / Audio	Multi-Profile	Live 1, Live 2, Record, Event record, Mobile			
	Addio	Audio Compression Format	G.711 u-law (PCN	G.711 u-law (PCM), G.723, G.726 (ADPCM), AAC		
Playback		Performance	Up to 400Mbps (@ 4 HDD's)		
V _		Manual Recording	Yes			
		Continuous Recording	Yes			
PC	Decording	Event Recording	Yes			
	Recording	Schedule Recording	Yes			
		Pre / Post Event	Pre : 10 ~ 60sec			
		Recording	Post: 1,200sec			
		Event Notification	Audio, E-mail, SS	M C onsole		
	_	Performance	Up to 100Mbps,	Up to 16CH		
ey Features		Time Search	Yes			
		Event Search	Yes			
models from 16 to 128 channels recording	Search & Playback	Timeline Search	Yes			
Supports H.265, H.264, MPEG-4, JPEG codec		Smart Search	Yes			
00Mbps / 100Mbps for Recording / Playback		Bookmark Search	Yes			
upports various recording mode :		Video Summary	Yes			
		Synchronous Playback	Yes			
lanual, Continuous, Event with pre/post and schedule		Security	Multi-Level user	access authority		
or faster video search, Video summary feature provides		Data Security	SSL			
ninutes video clip for several hours		Number of HDDs	Up to 24			
upports failover recording system	System	Supported Storages		, e-SATA, SAS, iSCS	SI	
upports automatic data recovery from network failover with		System Failover	Yes (by SSM-HA)			
amera SD card (ARB)		Network Failover	Yes (Auto recove	ery Backup)		
IIIera SD Caru (ARD)		Time Synchronization	NTP			
	MISC.					
	System	Recommended		SATA II 7200rpm (SSD is Recomment troller (AF Supporte	
	Requirements	Minimum	Windows Server Windows 8/8.1, W * Recommender	Vindows 10	vs Server 2012 R2 *	, Windows 7,

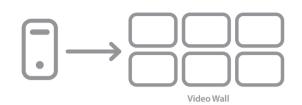
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AMERA

SSM-VM10L/20L

SSM Virtual Matrix (Video Wall Display Solution)



		SSM-VM10L	SSM-VM20L	SSM-VM00L		
GENERAL						
Max. Number o	of Monitors	16	36	48 (H/W decoder)		
Modules		VM manager, VM gate	way, VM decoder			
Control Interfa	ce	SSM console, VM man	ager			
FEATURES						
	Wall Layout	Upto 8 x 8 split mode				
	Wall Sequence	Yes				
	Monitor Sequence	Yes				
Live Monitoring	Map Monitoring	Yes		-		
Monitoring	Screen Merge	Yes		-		
	Auto Profile Change	Yes		-		
	Wall Spot	Yes		-		
Event	Monitor Spot	Yes		-		
Monitoring	Tile Spot	Yes		-		
Playback	Video Playback on Wall	Yes		-		
MISC.						
Data Security		SSL				
3 rd Party IP Vide	eo Wall Integration	Leadtech				
System Requirements	Recommended	CPU Intel Core i7-4770 RAM 8GB, 10GB HDD, I Video memroy 2GB, D	NVIDIA GTX760,	-		
	Operating System	Windows 7, Windows VMG : Windows Server Windows Server 2012	2008 R2,	-		

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SSM	5M-TS10L Transaction Server arty System Integration Solution)
	Access Event
Key F	eatures
• 3 rd P Dete SSM	arty System Such as Access Control System, Intrusio action System and Video analytics can be Integrated by Transaction Server
• 3 rd P Dete SSM • Prov	arty System Such as Access Control System, Intrusio ection System and Video analytics can be Integrated by Transaction Server ides Event Popup with Personal Information of a Per
• 3 rd P Dete SSM • Prov who	arty System Such as Access Control System, Intrusio action System and Video analytics can be Integrated by Transaction Server

Key Features

• 3 models from 16 to 48 monitors

• Consists of gateway, Decoder and manager

• Provides various live monitoring mode :

Wall layout, wall / monitor sequence and map monitoring

 Screens of multi monitors can be merged like one monitor • Event spot per wall, Monitor and tile makes operators to focus

only on event occurred live video

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			S
GENERAL			NETW
	Access Control	Samsung, Honeywell, JCl, Gallagher, Siemens	
Supported System	Intrusion Detection	Bosch, Honeywell	
	Intercom	Samsung, Stentofon	~
	Video analytics	Agent Vi	NVR
ACCESS CO	NTROL		
	Samsung SAMS	21 events	
Supported System	Honeywell Pro3000 / Pro3200	13 events	NETWORK PERIPHERAL
	JCI-P2000	15 events	
	Gallagher CCFT	7 events	
	Siemens Sipass	12 events	
Supported Event	Controller	INPUT_SIGNAL_OCCURRED / INPUT_SIGNAL_OCCURRED, INPUT_ SIGNAL_RELEASED / SYSTEM_SETUP_MODE / INPUT_DISCONNECTED	S YSTEM
	Door	ACCESS_GRANTED / ACCESS_DENIED / INVALID_TIME_SCHEDULE / ANTIPASS_BACK_ENTRY / ANTIPASS_BACK_EXIT / INVALID_ PASSWORD / ACCESS_DOOR_ERROR / BIOMETRIC_ERROR / DURESS_	ACCESS CONTROL SYSTEM
		ALARM / ARM / DISARM / OVERTIME_DOOR_OPENED / OVERTIME_ DOOR_CLOSED / FORCED_DOOR_OPENED / 2MEN_TIME / ACCESS_ TRIAL_WHITE_ARMED / IO_STAUS_CHANGE	ERA

SSM-TS10L

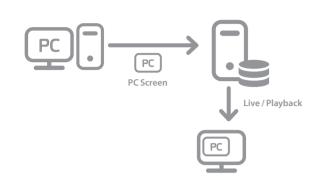
INTRUSION	INTRUSION DETECTION				
Supported	Bosch IP7400	1 event			
System	Honeywell VISTA128	1 event			
Supported Event	Detector	BURGLARY_ALARM			
INTERCOM					

Supported System	Samsung SAMS	6 events
	Stentofon XE1	6 events
Supported Event	Intercom	STNT_STATION_BUSY/STNT_STATION_FREE/STNT_STATION_ CONNECT/STNT_STATION_DISCONNECT/STNT_CALL_REQUEST/ IO_STAUS_CHANGE

oported tem	Agent Vi	9 events
oported ent	Camera	ASSET_PROTECTION / CAMERA_TAMPERING / CROWN_DETECTION / LOITERING / OCCUPANCY / STOPPED_VEHICLE / SUSPICIOUS_OBJECT / THERMAL_CAMERA / VEHICLE_TAILGATIONG
SC.		
em	Recommended	CPU Intel Core i7-4770@3.40GHz, RAM 8GB, 20 GB HDD(SSD is recommended)
uirements	Operating System	Windows 7, Windows 8/8.1, Windows 10, Windows Server 2008 R2, Windows Server 2012 R2

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SSM-SC10L SSM Screen Capture (PC Screen Capture and Streaming Solution)



		SSM-SC10L	
FEATURES			
Video	Max. Resolution	2560 x 1600	
Source	Source	PC monitor screen	
	Protocol	IPCAM2	
	Video Codec	H.264, MJPEG	
	Audio Codec	G.711	
Video	Max. Output stream	5	
Stream		NVidia : GTX-650 series, 340.33 driver	
	HW Acceleration Intel : HD 2000		
	(H.264)	AMD VGA : Radeon HD 7700, R7 250, R9 270	
		(Single monitor is needed for AMD)	
MISC.		1	
Language		English, Korean	
		CPU Intel Core i7-4770@3.40GHz,	
	Recommended	RAM 8GB, 10GB HDD, NVIDIA GTX760,	
System		Video memroy 2GB, DirectX 9.0	
Requirement		Windows 7, Windows 8/8.1, Windows 10	
	Operating System	Windows Server 2008 R2, Windows Server 2012 R2	

Key Features

Captures PC screen and make Video Stream

Supports max. 2560 x 1600 Resolution

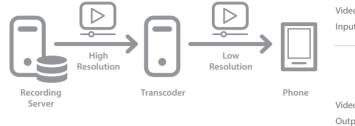
Supports H.264 and MJPEG
Supports max.5 Output streams

on SSM console or recorded in Recording Server

• The Video Stream acts same as a camera so it can be displayed

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Key Features

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

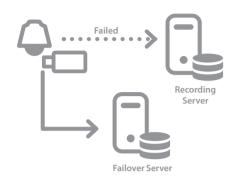
Max. D1 Resolution for Transcoded Output Stream

|--|

GENERAL					
Supporte	d Client	SSM Mobile			
Video Sou	irce	Recorded Video Data for Playback			
FEATURE	5				
Video Input	Max. Channels	10			
	Codec	Input : H.264, MJPEG, MPEG-4			
	Resolution	5M			
Video Output	Codec	H.264 High Profile at 50 GoP size			
	Codec	20fps@D1 25fps@CIF 30fps@QCIF			
	Codec Misc.	Entropy Coding Type : CAVLC Deblocking : ON Bit rate Type : VBR			

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SSM-HA SSM Failover Server (System Faliover Solution for SSM Components)



		SSM-HA
GENERAL		
Failover Are	chitecture	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	Failover	Thru Heartbeat Check
Server	Heartbeat	1 second
e	IP Address	Yes
Standby Server	Data Recovery on RS	Yes
Jeivel	Auto Failback	Yes
Data	Auto Recovery	Yes
Recovery	Pause-Resume	Yes
REQUIREM	ENTS	
Storage Ne	eded	Needs More Than 2GB
Disk limitat	ion for RS	2 HDDs for the Recording and Recovery Except the OS Disk
System Rec	quirements	Active and Standby System Spec should be Same (OS, HDD's, Ethern

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

SSM Mobile Viewer for Android / iOS



GENI Max. Devi Mobi FEAT

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 / Bookmark Functions

SSM Login for Security

Quick & Easy Access at Mobile Environment & Wi-Fi Networks

Compatible with "Dynamic Domain Naming Service" (DDNS)

Multi-Language

* For pro

System

Requirements

Operating System

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

WISENET

		SSM Mobile	NET WORK CAN
GENERAL			NETV
Max. Video Resolution		1920 x 1080	
Device List v	with Thumbnail Image	Yes	
Mobile Netv	vork Status Display	Yes	
FEATURES			<u>~</u>
	Screen-split Mode	1, 4, 9, 16	NVR
	PTZ Control	Yes	
	Screen Capture	Yes	NETWORK PERIPHERAL
Live	Digital Zoom	Yes	
Monitoring	Camera Focus Control	Yes	
	Audio Listen	Yes	
	Auto / Manual Profile Change	Yes	
Search & Playback	Date / Time Search	Yes	
	Event Search	Yes	
	Bookmark Search	Yes	
	Playback Resolution Change	Yes (SSM transcoder is needed)	ACCESS TROL SYSTEM
MISC.			ACC
Language		English, French, German, Spanish, Italian, Russian, Chinese, Japanese, Korean, Turkish, Polish, Czech, Serbian, Romanian, Portuguese, Dutch, Croatian, Hungarian, Greek, Swedish, Danish, Finnish, Norwegian	CON
	Recommended	CPU 1.4GHz, RAM 2G, Available RAM 1G or more,	MERA

	Mobile Phone Tested	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)			
r proper m	proper monitoring with SSM Mobile on your device, the device should suffice minimum requirements.				

Galaxy S3 (v4.4.4), Galaxy S5 (v4.4.2) Galaxy S6 Edge (v6.0.1), Galaxy Note 4 (v5.1.1)

Network 3G, 4G (LTE), Wi-Fi

Android OS 4.4.x, 5.x, 6.x

iOS 7, iOS 8, iOS 9

Android

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CONTROLLER

DVR

LENS