



Expansión en Cascado



Sincronización de Tiempo  
SNTP



Interfaces de Usuario Dual  
Cliente + Web



# Una Solución Innovadora e Inteligente de Grabación de Voz

[www.SiGraba.com](http://www.SiGraba.com)



Notificación de Grabación



Administrador de Grupo



Consulta Móvil



Pausar Grabación



Integración PBX vía SMDR  
IP ó RS232



Almacenamiento en la Nube

Grabando

## SiGraba Sistema de Grabacion de Telefono, Radio y Voz

**SiGraba** El sistema de grabación autónomo de teléfono proporciona un servicio de grabación ininterrumpido 24 X 7. Todos los registros de llamadas y archivos de voz se almacenan en tarjetas de memoria MicroSD o Discos Duros.

Los dispositivos tienen capacidades de 1, 2, 4, 8, 16, 24 y 32 puertos.

La administración de los sistemas basada en la web admite monitoreo en tiempo real en vivo, búsqueda, reproducción, reportes, respaldo y descarga,

Los dispositivos distribuidos en múltiples ubicaciones son compatibles y se administran a través del almacenamiento centralizado.



■ Typical Application

### Features >>>



#### ALL-IN-ONE Design

Industry standard embedded architecture, Linux operating system, 24x7 Recording.



#### Product Lines

Individual device can be configured with 1/2/4/8/16/24/32 recording channels. Devices can be connected together to provide up to 160 recording channels.



#### Dual User Interfaces

Browser based management (IE, Chrome, Firefox, Safari), and desktop application based management (RDMC).



#### Multi-Accounts Support

Multiple accounts can access the same device at the same time. Each account can set permissions based on features, channels and extensions.



#### 8:1 Compression Ratio Storage

8:1 compression ratio storage saves space. 1GB can save about 280 hours of calls.



#### Dual Backup Storage

Built-in hard disk and SD card act as the backups for each other, and they can save recording files simultaneously.



### Offline Operations

Offline operations such as Search, Replay, Data Analysis can be performed by plugging SD card or built-in hard disk in a computer.



### Database Redundancy

Call records database has redundant backup copy, so any corruption can be restored promptly.



### System Logs

Status Log: Detailed device statuses. It can be used for maintenance, management and troubleshooting.

Operation Log: Detailed operations from all accounts. Histories of each user's operations can be found here.



### Hard Disk Management

Auto-detect remaining storage capacity. Auto-clean oldest records when storage usage is close to its capacity to support long periods of continuous recording.



### Data Analysis/Statistics

1. Single/Multiple count items based on incoming phone number, call out phone number, call time, call direction and recording length.
2. Call statistics like total call numbers for channel(s), number of call outs per channel(s), number of incoming calls per channel(s), number of missed calls per channel(s), total call durations, incoming call durations, outgoing call durations, average call duration and many other call statistics.
3. Peak hour statistics like total call numbers and duration during 24 hours period. All statistics can be exported in Excel.



### Time Synchronization

Device periodically synchronizes with SNTP network time.



### SMDR, Tracking Phone Activity

SG can be integrated with variety of PBX. Even when recording through trunk line, system can record extension numbers to SG through PBX's SMDR. When channel goes through holding, transferring steps, SG records up to 4 extension numbers in sequence. All these data can be analyzed and organized to have a complete trace of all calls.

Terminal Device Search									
Time	Line No.	Local No.	I/O	Incoming No.	Dial No.	Length	Extension	File Path	
2017-06-21 15:55:09	1	82526727	In	0437070547		00:00:39	616	/udisk/re...	
2017-06-21 15:53:32	1	82526727	In	82836460		00:01:03	616,614	/udisk/re...	
2017-06-21 15:49:31	1	82526727	In	25913922		00:00:54	614	/udisk/re...	
2017-06-21 15:45:03	1	82526727	In	82836110		00:04:14	611,614	/udisk/re...	
2017-06-21 15:44:43	1	82526727	In	25924046		00:00:11	611	/udisk/re...	
2017-06-21 15:37:05	1	82526727	In	82836110		00:00:14	611	/udisk/re...	
2017-06-21 15:32:55	7	07010008688	Out		0953570857	00:00:30	611	/udisk/re...	
2017-06-21 15:32:50	5	82520263	Out		9	00:00:01	611	/udisk/re...	
2017-06-21 15:32:14	1	82526727	In	079743100		00:02:23	611	/udisk/re...	
2017-06-21 15:25:37	6	07010008999	Out		07010055000z8...	00:18:42	614	/udisk/re...	
2017-06-21 15:22:19	1	82526727	In	25913922		00:02:57	614	/udisk/re...	
2017-06-21 15:21:41	1	82526727	In	0937183063		00:00:04	611	/udisk/re...	
2017-06-21 15:18:23	7	07010008688	Out		0912315995	00:02:34	611	/udisk/re...	
2017-06-21 15:16:58	1	82526727	In	23669606		00:04:29	611,614	/udisk/re...	
2017-06-21 15:06:56	1	82526727	In	0932217977		00:00:11	611	/udisk/re...	
2017-06-21 14:53:05	1	82526727	In	0982788268		00:04:45	614	/udisk/re...	



### Recording Notification

A voice message can be setup to prompt users that the calls will be recorded. (Optional Feature)



### Device Alerts

When abnormalities are detected with SD, hard disk, telephone lines, absence of recordings, alerts are issued through voice, web page, and emails.



### Loss of Power Protection

Shutdown is delayed when power is lost, so recording can finish and hard disk security level is elevated.



### Two Level Fault Monitoring

System software alerts and reboots the software when any errors are detected. Hardware watchdog also monitors system errors and resets the hardware automatically.



### Cloud Storage

System can be distributed across multiple locations and mesh together. All devices can be configured to upload call records to central cloud storage and have them managed in the cloud. This is called "Headquarter Recording".



### CRM Integration

System comes with third party development interface (OCX Control) and can integrate with variety of other business system software. CRM software can get call data real time through the interface.



### Circuit Voltage Inspection

Voltage on the telephone line can be measured and displayed through Browser/RDMC UI. Device can adjust automatically and adapt to a variety types of telephone lines.



### Pause Recording

Users can configure personalized recording process by defining key sequence to pause and resume recording.

## User Interface >>>

### Web Browser based Search

SG series have embedded Web server. Users can use IE, Chrome, Firefox and other browsers to manage the system from computers without installing any software.



browsers on computer

### Smart Phone/Tablet Access through Wifi/4G

SG supports device access and management directly from browsers on mobile phones. Search and play call recordings can be done anywhere, anytime. This feature is popular among the management of businesses.



browsers on mobile

### Client Side Software (RDMC)

RDMC is the desktop management application for SG series. The rich feature set of RDMC gives you a complete and detailed process of all calls. Through the data analysis and statistics of call records, you can greatly improve the efficiency and competitiveness of your business.

#### Search/Play

- Status Display
- Archive Search
- Missed Calls Search
- Speed Playback
- Real-time Online Monitoring
- Export to MP3
- In/Out Statistics
- Export the Call Report

#### Account Permissions

- Account Function Permissions
- Account Channel Permissions
- Account Extension permissions

#### Backup

- Manual Download Backup
- Real Time Automatic Backup
- Fixed Schedule Automatic Backup

#### Data Statistics Report

- Telephone Traffic Summary Statistics
- Telephone Traffic Time Statistics

Line No.	Local No./Ext...	Total Calls	The Number ...	The Number ...	The Number ...	Total Duration	Call In Duration	Call Out Dura...	Average Du...
1	82526727	137	101	32	4	04:45:59	03:41:50	01:04:09	00:02:05
2	82521317	56	24	32	0	02:21:36	01:32:22	00:49:14	00:02:31
3	82521329	33	11	22	0	00:50:07	00:16:58	00:33:09	00:01:31
4	82521308	7	0	7	0	00:13:13	00:00:00	00:13:13	00:01:53
5	82520263	4	0	4	0	00:00:08	00:00:00	00:00:08	00:00:02
6	07010006999	35	2	33	0	01:43:29	00:00:42	01:42:47	00:02:57
7	07010008688	20	3	17	0	01:18:02	00:03:34	01:14:28	00:03:54

Telephone Traffic Summary Statistics

Statistic

Call Statistics Call Peak Hours

Time Option  
Start Time: 2017/ 6/20 0:00:01 End Time: 2017/ 6/21 23:59:59 [Count] [Export] [Exit]

Call Option  
Line No. ALL Local No. I/O ALL Duration From 0:00:00 To 2:00:00

Time range	Total Calls	Total Duration
05	73	02:30:13
08	25	01:18:43
10	43	01:12:29
15	26	01:05:02
11	30	00:58:44
14	28	00:56:02
16	17	00:53:08
17	15	00:38:08
18	5	00:37:02
13	12	00:21:04
12	15	00:20:50
07	1	00:10:27
04	2	00:00:11

Telephone Traffic Time Statistics

Recording Management System

Logout Device Search Statistics Monitor System Help Quit

Current Date: 2017-06-23 Thursday 16:58:55

User: admin

Free Space: 7.424GB 2160 Hour

01:00:07 3:00 907 Voltage 001 01 Voltage 002 02 Voltage 003 03 Voltage 004 04

05 Voltage 005 05 Voltage 006 06 Voltage 007 07 Voltage 008 08

2017-06-29 16:58:52 Socket\_On\_Call\_Out Channel 0 DTMF 2IP:192.168.3.242:12345

2017-06-29 16:58:53 Socket\_On\_Call\_Out Channel 0 DTMF 0IP:192.168.3.242:12345

2017-06-29 16:58:53 Socket\_On\_Call\_Out Channel 0 DTMF 0IP:192.168.3.242:12345

Call Status Graphic Display

## Web Based CMS Central Management Software

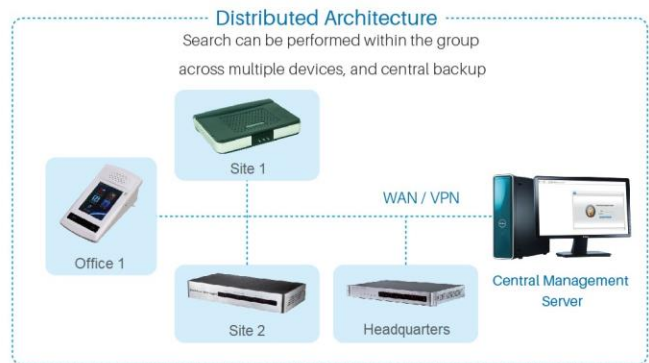
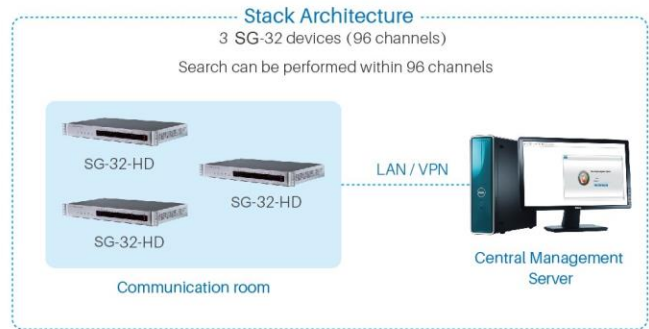
Web CMS automatically backup call records and data. Using just browsers, users can connect and manage all devices through central CMS server

- Real-time, fixed schedule or manually backup of all calls. Second mechanism of backup can also be configured.
- SG-32-HD devices stack can expand the recording ports.
- Devices can be grouped together. Search can be performed within the group across multiple devices.
- Can register up to 1000 devices. Users can directly access to the device through CMS software interface.
- Email alerts will be sent to administrator, once errors are detected.
- Multiple levels of account privileges for different groups of users.

WEB CMS Central Management services run on Windows platform with SQLite as the backend database.

The centralized management system supports two types of networking:

- 1 Each device has a fixed IP. The centralized management system automatically connects to all the devices.
- 2 The centralized management server has a fixed IP. Each device actively seeks out and connects to the device centralized management system.



## Product specifications >>>

[www.SiGraba.com](http://www.SiGraba.com)



Model No.	SG-04-MicroSD	SG-08-MicroSD	SG-08-HD	SG-08-16-24-32-HD
CPU	Dual-core CPU@1.5G			
Channel Number	4 CH	8 CH	8 CH	8/16/24/32 CH
Storage	SD Card	SD Card	HDD & SD Card	HDD & SD Card
Recording Hours	8500 hours/32G	8500 hours/32G	270000 hours/1T	270000 hours/1T
Max Storage	64 GB	64 GB	2 TB	2 TB
UI	WEB / RDMC			
Windows OS	Windows XP/7/8/10 (32/64bits)			
SMDR	TCP/IP o COM RS232			
Power Adapter	DC12V 3A			
Dimension	210x130x35 mm	210x130x35 mm	290 x 155 x 50 mm	450x250x55 mm

Product design and specifications are subject to change without prior notice, the company reserves all the right to explain

## La Solución de Grabación más Completa

### Grabación de Voz de Alta Fidelidad

Grabación IP SIP, Grabación de Troncal Digital E1,  
Grabación de Extensión Digital, Grabación de Radios,  
Grabación de Línea Fija Inalámbrica,  
Grabación de Interfono e Intercomunicador,  
Grabación de Telefonía Analógica

