

Operational Description

This product, **SG-3000**, is a Bluetooth device. The product operates in 2400 to 2483.5 MHz band. The channel is represented by a pseudo-random hopping sequence through the 79 channels. The channel is divided into time slots, with a nominal slot length of 625 μ s, where each slot corresponds to different RF hop frequencies. The nominal hop rate is 1600 hops/s.

The control signals and data in the Bluetooth Module (Model No.:HBH1X1M) are modulated and processed and then pass the PA in it. They will be transmitted from External Antenna or Internal Antenna (Chip Antenna) through the Switch (U2: MASWSS0115) to another Bluetooth device.

The RF signal from other Bluetooth devices is received via Antennas. And they go through internal Switch (U2) into the Bluetooth Module.

The power settings and crystal trim are stored in internal flash.

The product is powered from a Li-ion battery and uses an Dipole Antenna or Chip Antenna selectively according to the usage. No external ground is required.

Specifications

SECTION		DESCRIPTION	REMARKS
Internal Storage Device		Built-In Flash memory: 128 MB (up to 1 GB)	
Memory Expansion		Flash Memory Card: 128MB – 1GB	RS-MMC
Extensive Storage Device & Data Backup		USB Memory Stick, USB HDD	
Camera	Built-In	1 CCD Color (up to 2EA)	307,200 pixels
	External	NTSC/PAL (4EA)	
Recording Resolution	NTSC/PAL	up to 640 x 480	pixels
Display Speed	NTSC/PAL	25 fps	
Recording Speed	NTSC/PAL	12 fps	@240 x 240 pixels
Light Sensitivity (Built-In Color Camera)		1 Lux under@f1.2	CCD
Audio Input/Output		2 Built-In Microphones and 1 Speaker, 1 Audio Input	Audio Detection
TV(A/V) Output		Built-In Color LCD, Monitor(NTSC/PAL)	1.8 Inch 128x160 pixels
Search(Playback)		Date/Time, Motion, Sensor	
Compression Method		Optimized Algorithm for Security	
Storage Capacity		High Quality (1-2 days) Medium Quality (2-5 days) Low Quality (5-10 days)	128MB, @1fps, 240x240pixels (Indoor Use)
Display		Date/Time/Frame	
Lens (Built-In Color Camera)		Angle(56 Degrees), Unlimited Focus	Pin-Hole Lens
Motion Detection		Digital Image Processing, External Signal Input(PIR Sensor Etc.)	
Remote Access		LAN	
Wireless Communication		Bluetooth	
Source of Power		Rechargeable Li- Polymer Battery (3.7VDC, 1400mAh), Adaptor (5V DC, 2A)	
Recording Time (Battery)		Normal Mode (4.5 hours) Power Saving Mode (up to 24 hours) Ultra Power Saving Mode (up to 3 days)	
Dimensions: 85(W) x 55(H) x22(D) mm 3.34(W) x 2.16(H) x 0.86(D) inch		Weight(Including Battery) : 116g(4.09oz) Humidity: Under 80%	
Operating Temperature: -10 °C to + 50 °C (14°F to 122 °F)			