

# SGB

## Secure GSM Bubble



**Protection Simplified - Trusted secure communications ready to be deployed anywhere around the world**

VNL's Secure GSM Bubble application enables civil security staff to quickly setup a private security zone, no matter whether it's in a convoy of moving vehicles, aboard an aircraft or inside a hotel room. It enables a fully standards-compliant mobile GSM network. Featuring a compact design, it can fit inside a briefcase and can operate for days on a single charge.

**V**NL's Secure GSM Bubble application enables civil security staff quickly setup a private security zone, no matter whether travelling - in a convoy of moving vehicles or aboard an aircraft or ship or when checked into a hotel room.

VNL's Secure GSM Bubble application uses commercial GSM handsets for communication, and hence can be used by security personnel in plain clothes moved undetected in a crowd. The secure private network never is congested or faces interferences and provides reliable communication for voice, data and SMS.

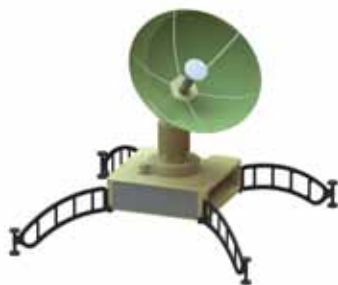
The VNL solution can be also useful to interconnect two different geographical locations as a private secure Bubble. Mobile users locations can be also be tracked.

VNL's Micro Network in a Box delivers a fully standards compliant mobile GSM network. Standard GSM handsets can be used which are widely available with low cost.

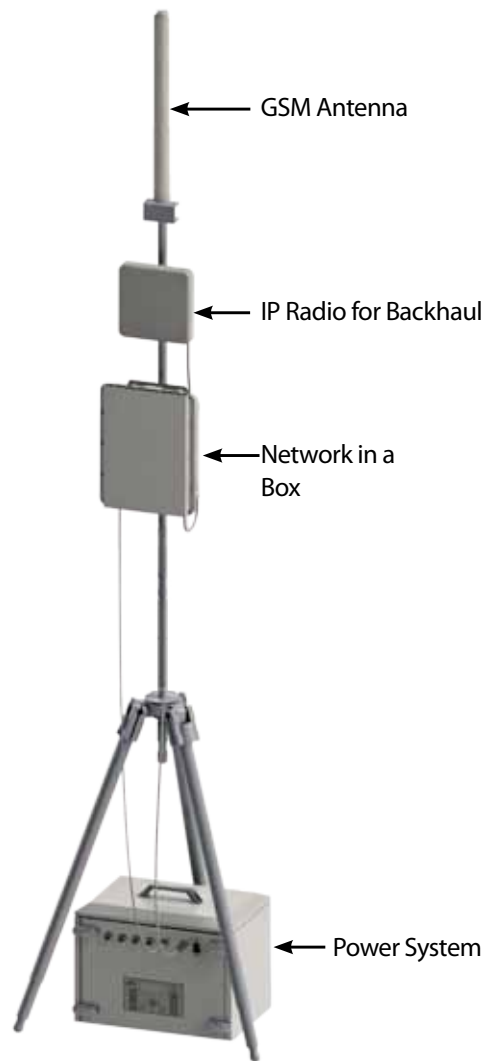
Compact design enables it to fit into a briefcase and easy to hand carry. Other options are also available for tripod/ pole mount. It supports IP backhaul - thus can easily connect to backoffice via VSAT/IP Radio or other available media options. With VNL power system, system can operate for days with single recharge.



**Secure GSM Bubble - Carry-in Luggage Size**



**Portable Satellite Terminal / BGAN**



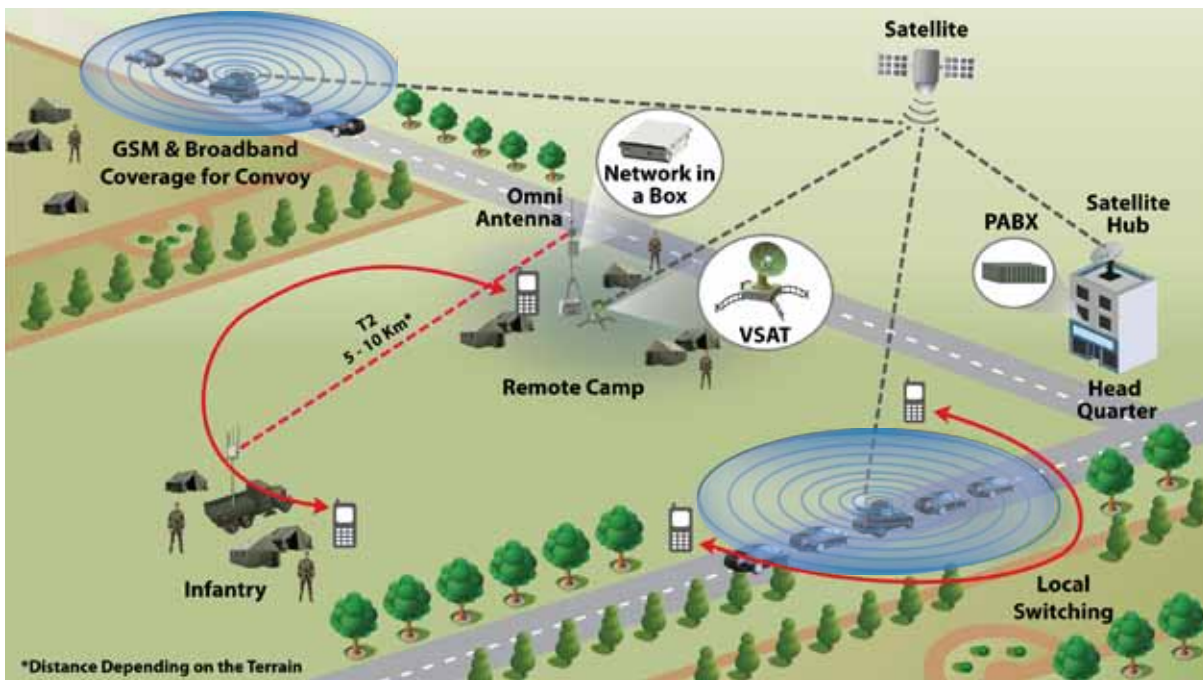
**Secure GSM Bubble Kit ( Tripod Mount )**

## HIGHLIGHTS

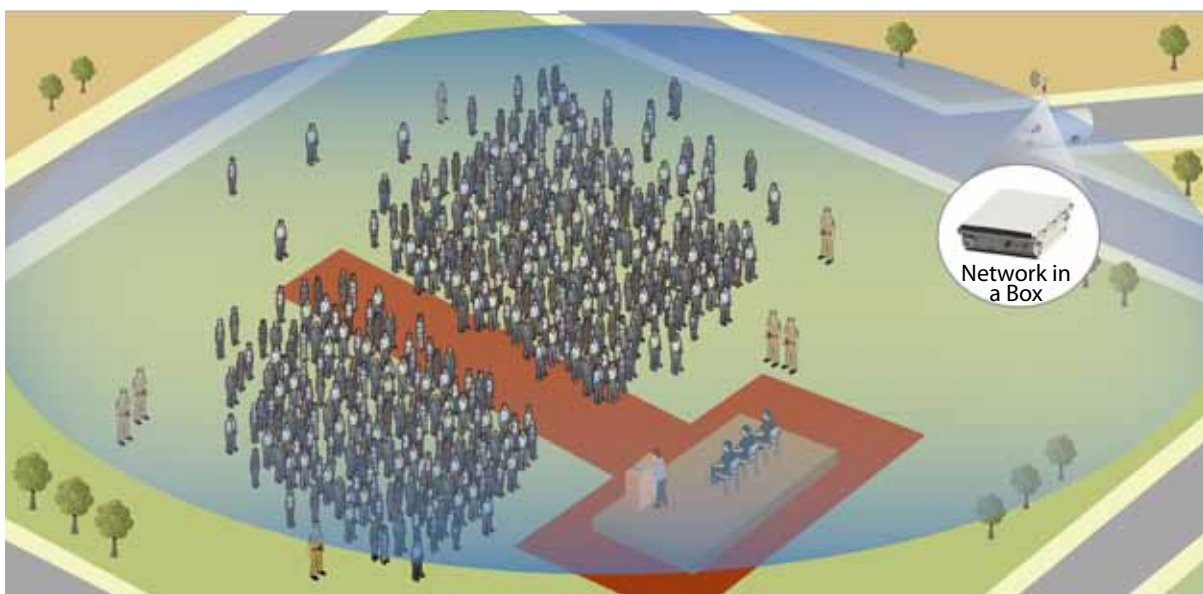
- Communicate undetected in crowd
- Full Network functionality within single box - Capable of standalone operation
- Fully under control of security staff - Easy configuration and operation
- Detect unwanted mobile numbers in the target area
- Standards compliant - Available in GSM 850/900/1800/1900 frequency bands

## BENEFITS

- As it allows same commercial handsets, security staff can hide in plain clothes and converse.
- IP backhaul allows use of public transport network ( IP Radio/ 3G/4G mobile network / VSAT ) for backoffice connectivity ( PABX ).
- Enables effective collaboration and coordination among geographically separate security teams.
- Small footprint - Lightweight and Easy to Carry
- Easy to configure and manage



**Connecting Remote Camps and Convoy with Secure GSM Bubble**



**Event protection through Secure GSM Bubble**

## SPECIFICATIONS

MICRO (NETWORK IN BOX)	Micro - 1	Micro - 2
Frequency Options	GSM 850/900/1800/1900 MHz	
Number of TRX	1	2
GSM Service	Voice, SMS, GPRS, EGPRS	
Supplementary Services	Call Hold/Waiting/Forwarding/Multi-Party Call/DTMF	
Dimensions (HxWxD)	350 x 275 x 107 mm	475 x 275 x 107 mm
Weight	5 kg Approx	8 kg Approx
Power Supply	-48V (DC)	
Power Consumption	60 W Typical	90 W Typical
Water and Dust Protection	IP 65	
Operating Temperature Range	-20° C to +55 °C -30° C to +55 °C ( For Specific Requirement)	
Ethernet Interface	1	
Backhaul Options (IP)	Satellite, IP Radios, DSL, Fiber	

ACCESSORIES (OPTIONAL)
IP Radio
Wi-Fi Access Point
Power System

PORTABLE SATELLITE TERMINAL	
Dimensions (WxHxD in mm)	216 x 216 x 45
Weight (Kg)	1.5 kg
Portable/Fixed	Portable
Voice & Fax	Via RJ-11 (x2) for Voice
ISDN	64 kbps via RJ-45
Other Data Interfaces	Ethernat, Wi-Fi
Ingress Protection	IP55

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### CORPORATE HEADQUARTERS

**Shyam VNL Limited**  
 21-B, Sector 18, Udyog Vihar  
 Gurgaon 122 015, Haryana, INDIA  
 Tel +91 124 309 2000

<http://www.vnl.in>