**Carrier Class Quality**
Carrier class broadband wireless access solution provides scalability, reliability, and superior performance in the most challenging environments.

**License Free Long Range Dual Band Operation**
Software Selectable 2.4 GHz or 5 GHz operation offers over 20 non-overlapping channels for the most flexible interference free application scenario without the need for regulatory frequency licensing.

**Internal and External Antenna Selection**
Embedded 12 dBi 2.4 GHz antenna offers nominal wireless range. If extended range up to 50km is desired, the use of external 2.4 GHz or 5GHz antenna is optional.

**Wireless Multimedia**
Based on the IEEE 802.11e standard, Wireless multimedia (WMM) provides enhancement for voice and video over IP applications.

**Rugged Outdoor Weatherproof Design**
The IP68 compliant weatherproof enclosure, connectors, and extreme weather rating electronic components continue to perform in the most extreme weather conditions.

**Multi-Mode Configuration**
Single device with up to four modes of operation: IEEE compliant 802.11a/b/g Access Point, Wireless Bridge, Wireless Repeater, and IEEE compliant 802.11a/b/g Client.

**Power over Ethernet**
The built-in PoE feature eliminates power connection at the camera location. This eliminates the need of running an additional power line cable.

**Integrated RF Site Survey Tool**
RF wireless site survey tool built into every radio for simplified frequency planning and installation.

**Secure Wireless Transmission**
Equipped with Government Strength Advance Encryption System (AES), transmission of top level information is highly secure with the AirEther outdoor wireless system.

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**APPLICATIONS**

**WIRELESS VIDEO SECURITY**
For hard to wire video applications, Inscape Data outdoor antenna system economically transmit and receive sensitive security images to secure parking lots, property perimeter, and even the most remote places.

**WIRELESS INFRASTRUCTURE**
Complete outdoor wireless infrastructure solutions from Inscape Data catering to wireless internet service providers, municipalities, SCADA, wireless machine to machine, telemetry, institutions, campuses, and more. Inscape Data is your one-stop source for high performance economical wireless base station solutions.

**WIRELESS NETWORK SOLUTIONS**
Building to building wireless connectivity or point to multipoint wireless bridges, Inscape Data outdoor wireless system provides high reliability and performance for the most demanding wireless networking applications.

**CARRIER SOLUTIONS**
Inscape Data outdoor long range wireless solutions provide the best in class 2.4 GHz and 5.8 GHz IP bridge system. The high performance characteristics keep the carrier wide-band high capacity backhaul and wireless transmission networks moving in the most extreme weather conditions.

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**SYSTEM CONFIGURATIONS**

**Outdoor Wireless IP Video Surveillance**

**Outdoor Wireless Internet Service**

**Outdoor Wireless VoIP Service**

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*For continuous power specification at various wireless data rates, please refer to backside of datasheet.*
TECHNICAL SPECIFICATIONS: SB54

SYSTEM DIMENSIONS & INTERFACES

Dimensions
- a. 7.5 inches
- b. 4.73 inches
- c. 1.84 inches

Interface
- 1. Status LED
- 2. Type N Antenna Interface
- 3. RJ45 Female Power over Ethernet Power

ACCESSORIES

PIS200
Dual-Port DC PoE Injector with Surge Suppressor

PES100
1-Port PoE Surge Suppressor

LS90001
RF Lighting Arrestor
- 0 to 6GHz

WC002
Waterproof Connector Set

AC100 1M
Low Loss Antenna Cable, N-Male to N-Male

WC Series
Outdoor UV protected Cat5 Network Cable

OA Series Omni-Directional Antenna

PA Series Panel Antenna

SA Series Sector Antenna

GA Series Parabolic-Grid Antenna

PACKAGE CONTENT

1. SB54
2. AC/DC Power Adapter
3. WC002 Weatherproof Connector Set
4. PIP100 1-Port DC PoE Injector
5. User Manual CDROM
6. Pole Mount Bracket System
7. Installation Guide and Warranty

PRODUCT INFORMATION ONLINE: http://www.inscapedata.com/sb54.htm

THE LEADING OUTDOOR NETWORK APPLIANCE COMPANY

Total Turnkey Solutions for Outdoor PoE, Wired/Wireless, and IP Video Applications

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