RFID Guard Tour Systems

Designed by Bluecard

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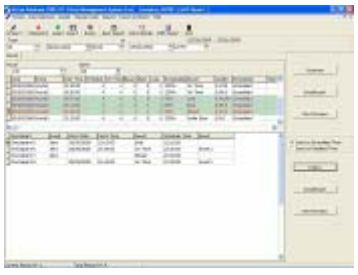
1. INTRODUCTION

1.1 Guard Tour System

A Guard Tour System is a system for logging the rounds of employees in a variety of situations such as security guards patrolling property. It helps ensure the employees make their appointed rounds at the correct time and place. Our software can offer a virtually records in different reports.

1.2 Bluecard Guard Tour System

Product	Model	Image
Guard Tour Reader	BP-2002S	
Communication Station	BS-1000	
Holster	BCH-01	
Signal Cards (EMID)	BLC-6-28	
Signal Cards (EMID)	BLC-22	
Patrol Management Software	V7	

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2. HARDWARE

2.1 Guard Tour Reader (BP-2002S)

The BP-2002S Super Durable Guard Tour Reader, CE & FCC certificated, employs many revolutionary new technologies in creating the ultimate guard tour product. The main features of BP-2002S as follow:

Super-Durable

- 3-layer anti-shock structure includes a metallic alloy body, molded rubber outer shell,
- and silicone gel padding surrounding the internal electronics.
- Able to withstand applied electrical currents of over 1 million volts.

Button Free

- Automatic card-detection and reading no button-press needed.
- Allows reader body to be more impervious to sabotage, eliminates wear and tear of button part.

Wireless Data Transfer

- Upload data into software database wirelessly via Comm. station
- Works with five different models station providing different solutions

Completely waterproof

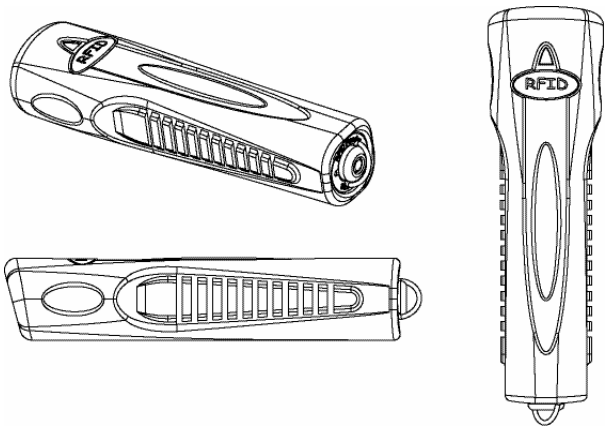
- Sealed against liquids

Non-contact Reading

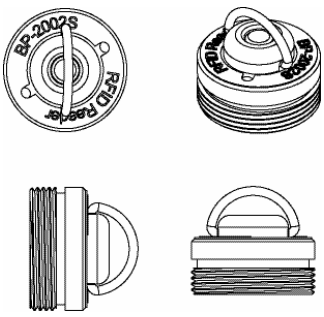
- Reads signal cards wirelessly
- Turns off automatically for saving power

Reliable Flash Memory Data Storage

- Use advanced flash memory technology
- Do not lose data even when batteries run out



Appearance of BP-2002S Reader



Appearance of Battery Cap

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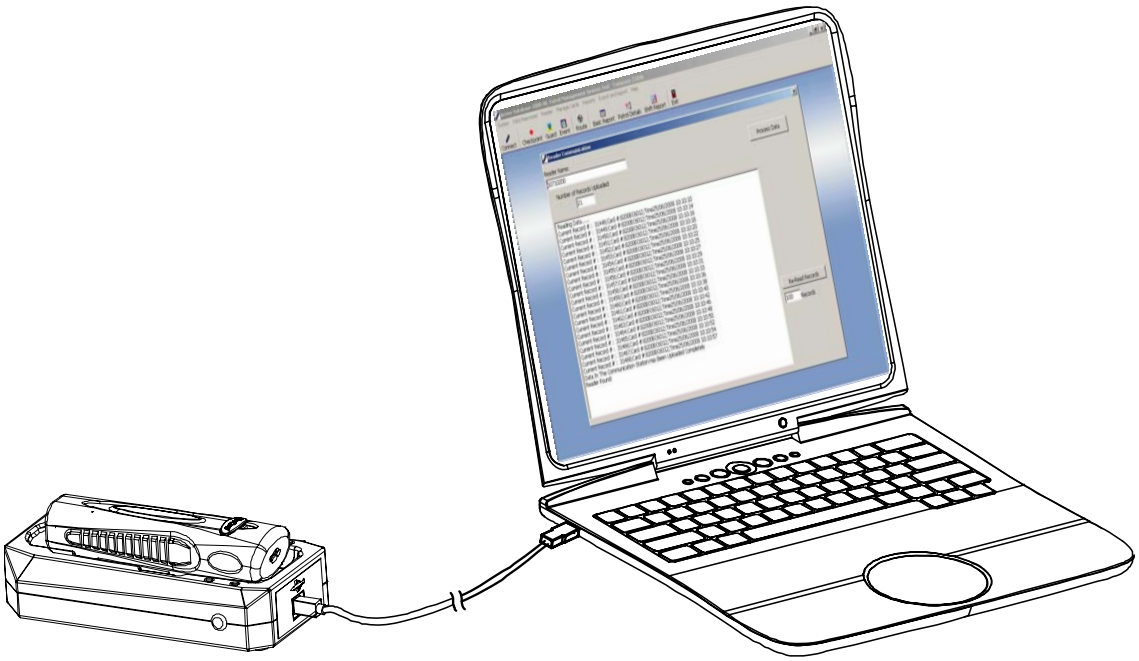
2.2 Communication Station (BS-1000）

Uses revolutionary low-energy wireless data transfer technology to collect data from readers, eliminating the need for cable ports on the readers, making data port damage caused by wear and tear or human sabotage a thing of the past.

- Wirelessly collects data from readers, eliminating the need for cable ports on the readers, making data port damage caused by wear and tear or human sabotage a thing of the past.
- Powered from the USB port - no other power source needed. Does not consume power from readers during data transfer.
- LCD lights indicate transfer status.
- A single communication station model works with multiple reader models.
- Durable molded casing.
- High-speed data transfer - approximately 30 records per second



connect BS-1000 with PC via BCL-40 USB cable to upload data into software DB

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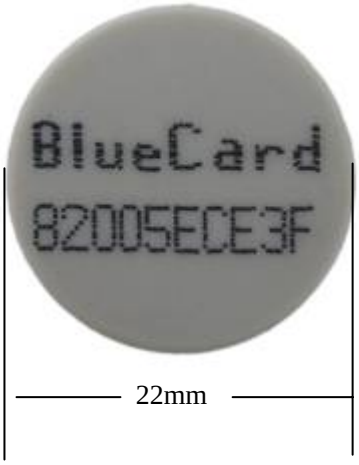
2.3 Signal Cards (EMID)

Bluecard signal card can be buried behind wall surfaces to keep away from possible damaged by people.

- All-Weather Workable
- No Power Required to Operate
- Small Size

Available Model are **BLC-6-28**, **BLC-22**



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3. SOFTWARE

Basic Version Patrol Management System (V7)

Patrol Management System guard tour management software is an integral part of an electronic guard tour system, which is designed for the acquisition, evaluation and reporting of guard tour data. The recorded cards numbers and associated time-stamps are later uploaded via communication stations to computers for processing and verification. The results are displayed on the screen, where managers are able to review the job performance data of the patrolling personnel (attendance, locations patrolled, timeliness, incidences, etc).

Main Features:

- Three password levels permit control of access to the software.
- Allows producing individualized client-based reports from some of the reports
- Highlighted the incidents, missed, early and late results in reports
- Reports can be exported to file as PDF file, Excel file, CSV file, or sent in an email.
- Provides the history database, users can inquiry the history reports by switching the database.
- Customizing the Basic Report

Event Record

Date	Time	Type	Checkpoint	Route	Guard	Event	Install Positic
30/09/2006	21:14:00	Checkpoint	Checkpoint-8	Route2	Jerry		window4
30/09/2006	21:14:00	Event	Checkpoint-8	Route2	Jerry	window broken	window4
30/09/2006	21:51:00	Guard			Jerry		
30/09/2006	21:51:00	Checkpoint	Checkpoint-5	Route2	Jerry		window1
30/09/2006	22:03:00	Guard			Jerry		

Shift Report

Date	Route	Start Time	Schedule	On Time	Missed	Early	Late	Acceptable	Result	Length	Scheduling
30/09/2006	Route1	19:10:00	4	4	0	0	0	100%	On Time	0:4:59	Scheduled
30/09/2006	Route2	19:20:00	4	4	0	0	0	100%	On Time	0:34:0	Scheduled
30/09/2006	Route2	19:57:00	4	3	0	0	1	75%	Late	0:40:50	Scheduled
30/09/2006	Route2	20:41:00	4	2	0	1	1	50%	Early	0:33:0	Scheduled
30/09/2006	Route2	22:10:00	4	2	1	1	0	50%	Missed	0:41:0	Scheduled
30/09/2006	Route3	23:12:00	4	4	0	0	0	100%	Order Error	0:5:0	Scheduled

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4. SPECIFICATIONS

BP-2002S

Card-Reading	Inductive / Non-Contact		
Card Format	125 Khz EMID		
Maximum Reading Range (BlueCard Tags)	Model	Size	Range
	BLC-02	86mm×54mm	6.0cm
	BLC-40	Φ40mm	4.0cm
	BLC-30	Φ30mm	3.5cm
	BLC-22	Φ22mm	3.5cm
	BLC-6-28	Φ6mm×28mm	3cm
Power Capacity	>330,000 Readings		
Battery Type	CR123A 3v Single-Use Lithium		
Display	LED Status light		
Shock Absorbency	External: metal tubing, rubber shell. Internal: silicone gel padding, epoxy resin. Tested to withstand drops from 2 m (cement floor)		
Waterproofing	Completely Sealed		
Memory	30,719 Records		
Data Reliability	Flash Memory, Stores Data Without Electricity		
PC Connection	Wireless Comm Station		
Working Temp.	-40° C to 70° C		
Working Hum.	0 to 95%		
Dimensions	120mm×35mm×26mm		
Weight	142g±5g		

BS-1000

Size:	159x79x33mm
Color:	Dark Grey
Connection With Readers:	RFID Wireless Connection
Connection With PC:	USB
Memory	None
Card reading format	EMID RFID
Data transfer speed	30 records per second
Operating temperature	-20°C to 70°C
Operating humidity	0 to 95%

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5. CERTIFICATIONS

BP-2002S Super Durable Reader

CERTIFICATE OF COMPLIANCE

According to EMC 2004/108/EC and RTTE 1999/5/EC

Applicant Name	:	Bluecard Software Technology Co. Ltd.
Applicant Address	:	D-801 Shangdi Science Building, No.8 Shangdi West Road, Haidian District , Beijing ,China
Manufacturer by	:	Bluecard Software Technology Co. Ltd.
Manufacturer 's Address	:	D-801 Shangdi Science Building, No.8 Shangdi West Road, Haidian District , Beijing ,China
Product Description	:	Guard Tour Reader
Model / Part Number	:	BP-2002F/ BP-2002S
Serial Number(s) Tested	:	Prototype
Trademark	:	Bluecard
Date(s) of Testing	:	2007, March 19th to April 3rd
Test Report Number(s)	:	BLU-0703-6134-CE_1/CE_2

This is to certify that the product identified above is in compliance with the essential requirements of the following standards.

ETSI EN 301 489-1 V1.6.1 (2005-09)
ETSI EN 301 489-3 V1.4.1 (2002-08)
ETSI EN 300 330-1 V1.5.1 (2006-04)
ETSI EN 300 330-2 V 1.3.1(2006-04)
EN 61000-4-2 : 1995 + A1: 1998 + A2: 2001
EN 61000-4-3 : 2002 + A1: 2002

Reviewed by:

Signed by: Paul J. Chen

Paul Chen / QC Manager

Issued Date: 2007. August 06

Issued by:

ECMG
Worldwide Certification Solutions
EMC Compliance Management Group

ECMG NVLAP ACCREDITED #200088-0

This is the result of tests that were carried out from the submitted product sample(s) in conformity with the specification of the respective standards. The certificate holder has the right to affix the CE-Mark on the inspected product only when the product is completely complying with the required standards

CE

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Certificate No. CE10314

BS-1000 Communication Station

CERTIFICATE OF COMPLIANCE

According to EMC 2004/108/EC and RTTE 1999/5/EC

Applicant Name	:	*Bluecard Software Technology Co. Ltd.*
Applicant Address	:	*D-801 Shangdi Science Building, No.8 Shangdi West Road, Haidian District , Beijing ,China*
Manufacturer by	:	*Bluecard Software Technology Co. Ltd.*
Manufacturer 's Address	:	*D-801 Shangdi Science Building, No.8 Shangdi West Road, Haidian District , Beijing ,China*
Product Description	:	*TCP/IP Remote Communication Station*
Model / Part Number	:	*BS-6000/BS-2000/BS-1000*
Serial Number(s) Tested	:	*Prototype*
Trademark	:	*Bluecard*
Date(s) of Testing	:	*2007, April 16th to 17th*
Test Report Number(s)	:	*BLU-0703-613S-CE_1/CE_2*

This is to certify that the product identified above is in compliance with the essential requirements of the following standards:

ETSI EN 301 489-1 V1.6.1 (2005-09)
ETSI EN 301 489-3 V1.4.1 (2002-08)
ETSI EN 300 330-1 V1.5.1 (2006-04)
ETSI EN 300 330-2 V 1.3.1(2006-04)
EN 61000-4-2 : 1995 + A1: 1998 + A2: 2001
EN 61000-4-3 : 2002 + A1: 2002

Reviewed by:

Signed by: _____
Paul Chen / QC Manager

Issued Date: 2007, August 06

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Worldwide Certification Services
EMC Compliance Management Group

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Certificate No. CE10315