infoscan

Quick Use Guide

HS3665
**Wireless Handheld DPM
Barcode Scanner**

Ver.20231124

Technical Specifications

◆ Physical Properties

Dimensions	Reader: 192.0mmx130.0mmx77.0mm
	Base: 246.0mmx100.0mmx93.0mm
Weight	Reader: 275g Base: 276g

◆ Electrical Characteristics

Operating Voltage	Reader: 4.2VDC±10
	Base (Power supply): 5VDC±5%
Standby Current	150mA
Operating Current	310mA
Communication Interface	RS232, USB Keyboard, USB Simulated Serial port

◆ Wireless Communication and Battery

Battery Specifications	3.7V/2500mAh
Battery Endurance	Over 9 hours (triggered every 2 seconds, decoding over 16000 times in average)
Charging Time	6.5h
Communication Distance	82m (Open) 28m (Indoor), Storage support
Storage Capacity	20,000 pcs (13-bit Character/pc)

◆ Environment of Parameters

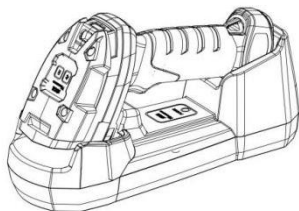|	
Operating Temperature	0° C ~ +45° C
Storage Temperature	-10℃ ~ +50℃
Relative Humidity	5%~85% Non-condensing
IP Rating	IP67
Ambient Light Immunity	Sunshine: 10000 lux, Incandescent lamp: 6000 lux, Fluorescent lamp: 2000 lux
Drop Resistance	Withstand multiple impacts of falling from a height of 1.2 meters onto the cement floor (allowable deviation of 5°)

◆ Reading Performance

Image Resolution	1280X1024
Illumination Source	White point light source/ Red surface light source / Blue surface light source
Aiming Mode	Laser aiming
Viewing Angle	44°（Horizontal） 34°(Vertical)
Reading Direction	Angle of elevation ±60°，Oblique angle ±55°
Readable Code Symbologies	1D, 2D and stacked codes that comply with national and international standards
Maximum Reading Accuracy	1D code: 3mil, 2D code: 4mil

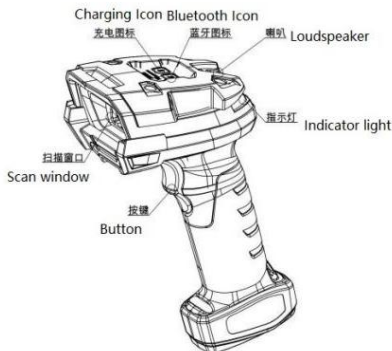◆　　Reading Distance Parameters　　(Unit: mm)

Reading Distance	Nearest	Farthest
3.34mil Code 128	25	123
5mil Code 128	22	179
10mil Code 128	6	287
15mil Code 128	6	384
5mil　DataMatrix	35	103
6.67mil　DataMatrix	25	125
10mil　DataMatrix	5	243
15mil　DataMatrix	5	254

Product General View

Overall Look

Host

Charging Icon Bluetooth Icon
充电图标 蓝牙图标 喇叭 Loudspeaker
指示灯 Indicator light
扫描窗口 Scan window
按键 Button
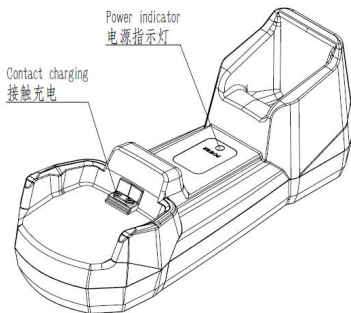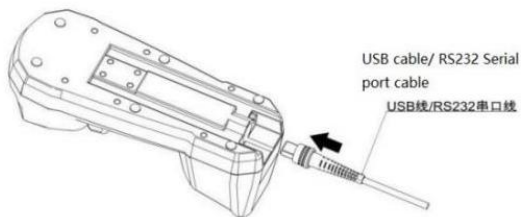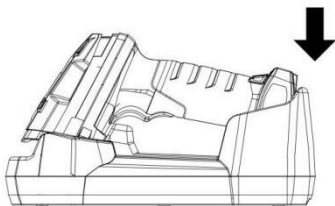
Communication Base

Connection of Base

If it is RS232 cable, a 5VDC power supply needs to be connected with the cable.

Startup / Pairing Method With Base

When the host is in standby mode, press the trigger button to start it.

Plug the host into the base for pairing connection and charging.

Status Description

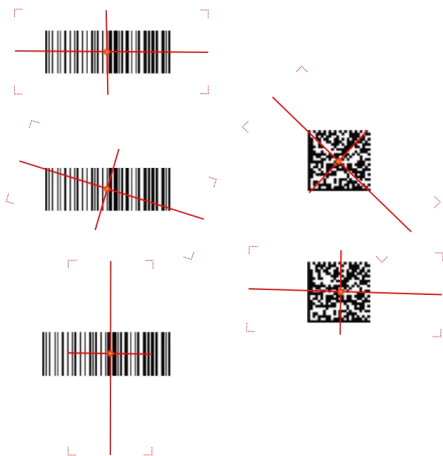| Description	LED Indicator	Beep Prompt	Shake Prompt
Reader			
Power up the reader (base not powered on)	Bluetooth icon lights up once with blue light	Beep once	Shake once

Bluetooth connection in progress	Blue light of Bluetooth icon flashes	Beep twice (Just finished configuring)	\
Bluetooth is connected	Blue light of Bluetooth icon is long-lasting on	Beep once (the base is powered on for communication)	\
Bluetooth is disconnected	Blue light of Bluetooth icon goes out	Beep twice	\
Decoding is successful	Green light flashes once (rear part of the upper cover)	Beep once	Shake once
Transmission fails	The blue light of the Bluetooth icon flashes three times and the green light flashes once (rear position of the upper cover)	Beep three times	Shake once
Charging	The red light of the battery power icon is long-lasting on	\	\
Low battery	\	Beep five times	
Full of power	Red light goes out	\	\
Base			
Normal powered on	Blue light is long-lasting on		

Barcode Reading Skills

The cross red aiming laser emitted by the reader should be located in the center of the barcode or pass through the barcode. The following illustrations are several correct aiming methods.

The closer the reader is to the barcode, the smaller the aiming range of the laser; The farther the reader is away from the barcode, the larger the aiming range of the laser. If the barcode is small, the reader should be placed close to the barcode; If the barcode is large, the reader should step away from the barcode to make it easier to read correctly.

If the barcode has a high reflectivity (such as coated), you may need to tilt the reader at an angle to scan the barcode.

Interface

RS232 Interface

USB Simulated Serial port

USB Keyboard port
(Step 1 of USB keyboard port setting)

USB Keyboard port
(Step 2 of USB keyboard port setting)

RS232 Baud Rate Setting

9600

19200

38400

57600

11520

Suffix

Add LF suffix

||| | | ||| ||| ||||| | ||| || | ||| |||| ||| | ||| || ||
XXSpecCode9C

Add LF suffix for all code systems

Add CR suffix

||| | | ||| ||| ||| | | ||| || ||| |||| ||| | | ||| |||
XXSpecCode9D

Add CR suffix for all code systems

Add CR and LF suffix

||| | | ||| ||| | | ||| || ||| |||| ||| | ||| || |||
XXSpecCode9E

Add CR and LF suffix for all code systems

Clear suffixes

||| | | ||| ||| | | ||| || ||| |||| ||| | | ||| |||
XXSpecCode9F

Clear suffixes for all code systems

Mobile Phone Mode Reading

Supports adaptive reading of paper, mobile screen and computer screen. In some special situations, the device can be set to mobile phone mode to make it easier to read the screen. In this mode, the performance of reading paper barcodes deteriorates when the external light is poor.

Mobile phone screen - handheld reading mode

Sensing Mode

In sensing mode, turn on low lighting to detect if a barcode has passed by. When a barcode is detected, turn on the lighting to read the barcode.

Sensing mode

Manual Triggering Mode

If the sensing mode needs to be turned off, the device can be set to manual triggering mode, in which the button needs to be triggered to scan the barcode.

Manual triggering mode

Illumination Source Settings

Turn on white LED

Turn off white LED

Turn on red LED

Turn off red LED

Turn on blue LED

Turn off blue LED

Code Systems

Note: There are two setting codes need to be read to enable and disable all the symbologies.

All symbologies on step 1

All symbologies off step 1

All symbologies on step 2

All symbologies off step 2

Codabar on

Codabar off

Code 39 on

Code 39 off

Interleaved 2 of 5 on

Interleaved 2 of 5 off

Code 128 on

Code 128 off

GS1-128 on

GS1-128 off

UPC-A on

UPC-A off

UPC-E1 on

UPC-E1 off

EAN/JAN-13 on

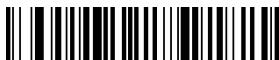EAN/JAN-13 off

PDF417 on

PDF417 off

QR Code on

QR Code off

Data Matrix on

Data Matrix off

Aztec Code on

Aztec Code off

Restore Factory Settings

This setting barcode is only allowed to be scanned when the reader is unable to function properly and reading standard setting barcode is useless.

%%SpecCode93

Restore Factory settings

Sample Barcodes

1 2 3 A B C
Code 39

A B C D 1 2 3 4
Code 128

0 12345 67890 5
UPC A

9 783456 789019
EAN-13

A 1 2 3 4 5 6 7 8 B
Codabar

5 5 6 7 8 9 0 1 2 3
Interleaved 2/5

PDF 417

Postnet

Micro PDF

Data Matrix

Azte

QR Code

Routine Maintenance

1.Clean the barcode reader frequently

If the reading window of the barcode reader is not clean, the performance of the reader will decrease. When the window is visibly dirty or the barcode reader reading efficiency is not very good, you can use a soft cloth or a mirror wiping cloth dipped in a little water to wipe the window.

2.Regularly check the connection end and cable of the barcode reader

Damage to the connecting end or cable of the barcode reader may affect its normal operation. When damage is found, please replace it promptly.

After-sale Service

When users encounter problems difficult to solve, they can seek solutions through our service hotline.

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Power Supply

This product can only be used with the original infoscan DC power adapter, or DC power supplies and other power devices verified and authorized by Bilin Intelligence's personnel.

Instructions For Using LED

Please be sure to follow the below precautions, otherwise it may cause harm to human body (eyes or skin)：

- Please follow the steps specified in the manual for control and adjustment, otherwise, it may cause dangerous LED radiation.
- Do not directly gaze at LED light and specular reflection light.
- Do not disassemble, repair or modify this product on your own.
- Do not use optical instruments (such as magnifying glasses, microscopes, etc.) to observe the LED light of the device.
- Control and adjust according to the steps specified in the manual.

Instructions For Laser Use

Please be sure to follow the below precautions, otherwise it may cause harm to human body (eyes or skin)：

- This product may include an aiming laser source for positioning the barcode reader.
- Do not disassemble, repair or modify this product on your own.

● Control and adjust according to the steps specified in the manual.

Product Safety Precautions

● Be sure to turn DC power off before connecting or disconnecting the power supply and cables.

● Insert the connector straightly to avoid tilting and tighten it securely. Under-tightening can lead to a loose connector due to vibrations, result in poor contact.

● Do not disassemble or modify this product, as this may cause damage to the product and result in the inability to enjoy warranty service.

● Keep equipment and cables as far away from high-voltage lines and power cables as possible. Otherwise, it may lead to product failure or cable failure.

● Do not allow water, oil, corrosive objects or other foreign objects to stick to the product, as this may cause reading errors or damage to the product. Please use a soft dry cloth or a soft cloth soaked with alcohol to wipe any foreign substances on the product.

● Before using this product, please ensure that it operates normally in terms of functionality and performance.