infoscan

Quick Reference Guide

H S 3 6 6 0   S e r i e s

**W i r e d   H a n d h e l d   I n d u s t r i a l
D P M   B a r c o d e   R e a d e r**

Ver.20230731

Product Specifications

Physical Performance

Dimension	191.8mm x 130.2 mm x 76.9 mm
Weight	352 g

Electrical Characteristics

Operating Voltage	4.75-5.25 VDC
Standby Current	150mA
Operating Current	310mA
Communication Interface	RS232、USB Keyboard、USB Simulated Serial port

Environment

Operating Temperature	0° C ~ +45° C
Storage Temperature	-10℃~+50℃
Relative Humidity	5%~85% Non-condensing
IP Rating	IP67
Ambient Light Immunity	Sunlight: 10000 Lux, Incandescent Lamp: 6000 Lux, Fluorescent Lamp: 2000 Lux
Shock Resistance	Capable of withstanding multiple impacts of falling from a height of 1.2 meters onto the cement floor (allowable deflection of 5°)

Reading Performance

Image Resolution	1280X1024
Illumination	White point illumination/ red area illumination/ blue area illumination
Aiming Mode	Laser aiming
Viewing Angle	44°（Horizontal），34°（Vertical）
Reading Direction	Angle of elevation ±60°, Oblique angle ±55°

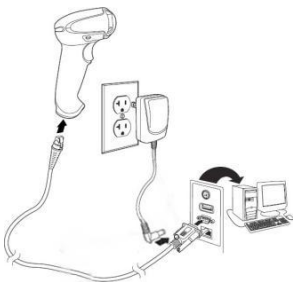| Readable Barcode Types	1D, 2D and stacked codes that comply with national and international standards
Maximum Reading Accuracy	1D code: 3mil 2D code: 4mil

Reading Distance   Unit:mm

Barcode specifications	Nearest	Farthest
3.34mil Code 128	5	73
5mil Code 128	5	82
10mil Code 128	5	121
15mil Code 128	5	150
5mil DataMatrix	5	51
6.67mil DataMatrix	5	72
10mil DataMatrix	5	93
15mil DataMatrix	5	111

Product Connection Diagram

USB connection

RS-232 connection

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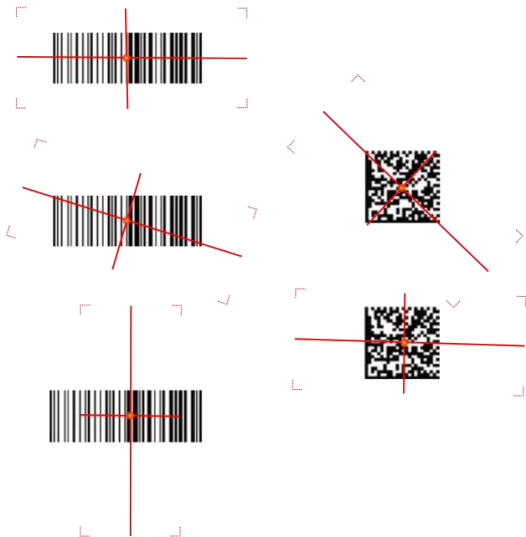
Note Of Barcode Reading

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 correctly read it.

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

USB keyboard port

USB simulated Serial port

RS232 interface
(Rate 9600, 8 data bits, 1 stop bit)

Open RS232 Serial communication configuration

When the device is switched to the RS232 interface, you need to scan below setting code to set the Serial communication baud rate and check bit.

open RS232 Serial communication

Serial communication baud rate setting

300

600

1200

2400

4800

9600

19200

38400

57600

115200

Communication check bit setting

7 data bits, 1 stop character,
even parity bit

7 data bits, 1 stop character,
no parity check

7 data bits, 1 stop character,
odd parity bit

7 data bits, 2 stop characters ,
even parity bit

7 data bits, 2 stop characters, No

7 data bits, 2 stop characters,
odd parity bit

8 data bits, 1 stop character,
even parity bit

8 data bits, 1 stop character,
odd parity bit

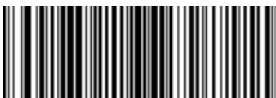8 data bits, 1 stop character,
No Parity

Suffix

Add carriage return suffix

add a carriage return suffix
for all code systems

Add carriage return and line feed suffix

add carriage return and line feed suffix
for all code systems

Remove suffix

clear all code suffixes

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 trigger mode

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

manual trigger mode

Factory reset

This barcode setting is only allowed to be scanned when the reader is unable to function properly and the barcode setting for standard products is still invalid.

factory reset

Code system

enable all coding systems

turn off all coding systems

codabar code   on

codabar code   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   open

GS1-128   off

UPC-A   open

UPC-A   off

UPC-E0   open

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UPC-E0   off

UPC-E1   open

*UPC-E1   off

EAN/JAN-13   open

EAN/JAN-13   off

PDF417   on

PDF417   off

QR Code   on

QR Code   off

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Data Matrix open

Data Matrix   off

Aztec Code   on

Aztec Code   off

1 2 3 A B C
Code39

A B C D 1 2 3 4
Code 128

0 12345 67890 5
UPCA

9 783456 789019
EAN-13

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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

DataMatrix

Aztec

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 can 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 follow the steps specified in the manual for control and adjustment, otherwise, it may cause dangerous LED radiation.
- Please be sure to follow the below precautions, otherwise it may cause harm to human body (eyes or skin).
- Do not directly gaze at LED light and specular reflection light.
- Do not disassemble, repair or modify this product on your own.
- Do not view directly with optical instruments. Viewing the LED output with certain optical instruments (for example, eye loupes, magnifiersand microscopes) within a distance of 100mm may pose an eye hazard.

Laser Safety

- This product may include an aiming laser source for positioning the barcode reader.
- Do not disassemble, repair or modify this product.
- The product meets the relevant requirements of IEC 60825-1.
- Please control and adjust according to the steps specified in the manual, otherwise, it may cause harm to the human body (eyes or skin).

Product Safety Precautions

- Non explosion-proof models should not be used in explosion-proof areas.

- Be sure to turn DC power off before attempting to connect or disconnect the control cable.

- Please strictly follow the instructions when using I/O terminals. If external equipment is not connected according to the usage specifications or if the connection exceeds the specified load, this may cause damage to the product itself and prevent it from enjoying warranty and repair services.

- Insert the connector straight so that it is not tilted and then tighten it securely. Under-tightening can lead to a loose connector due to vibrations, resulting in poor contact.

- Please standardize the use of insulation sheets and screws to avoid on-site static electricity and other abnormal conditions affecting the barcode reader.

- Do not disassemble or modify this product, as this may cause damage to the product and unable to receive 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 substances on the product.

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