Manuals+ — User Manuals Simplified.

IDTECH

FX200
2DScan
Barcode
Scanner

IDTECH FX200 2DScan Barcode Scanner User Manual

Contents

IDTECH®

IDTECH FX200 2DScan Barcode Scanner

Product Usage Instructions

ID TECH

- 10721 Walker Street
- Cypress, CA 90630
- **714-761-6368**
- www.idtechproducts.com

FCC WARNING STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

FCC COMPLIANCE STATEMENT

- This device complies with Part 15 of the FCC Rules. Operation of this device is subject to the following conditions: this device may not cause harmful interference and this device must accept any interference received, including interference that may cause undesired operation.

CANADIAN DOC STATEMENT

- This digital apparatus does not exceed the Class B limits for radio noise for digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

CE STANDARDS
Testing for compliance to CE requirements was performed by an independent laboratory. The unit under test was found compliant to class B limits of part 15 of the FCC rules.

LIMITED WARRANTY

- ID TECH warrants to the original purchaser for a period of 36 months from the date of invoice that this product is in good working order and free from defects in material and workmanship under normal use and service. ID TECH's obligation under this warranty is limited to, at its option, replacing, repairing, or giving credit for any product which has, within the warranty period, been returned to the factory of origin, transportation charges and insurance prepaid, and which is, after examination, disclosed to ID TECH's satisfaction to be thus defective. The expense of removal and reinstallation of any item or items of equipment is not included in this warranty. No person, firm, or corporation is authorized to assume for ID TECH any other liabilities in connection with the sales of any product. In no event shall ID TECH be liable for any special, incidental or consequential damages to purchaser or any third party caused by any defective item of equipment, whether that defect is warranted against or not. Purchaser's sole and exclusive remedy for defective equipment, which does not conform to the requirements of sales, is to have such equipment replaced or repaired by ID TECH. For limited warranty service during the warranty period, please contact ID TECH to obtain a
- Return Material Authorization (RMA) number & instructions for returning the product.
- THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY OR FITNESS FOR

PARTICULAR PURPOSE. THERE ARE NO OTHER WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, OTHER THAN THOSE HEREIN STATED. THIS PRODUCT IS SOLD AS IS. IN NO EVENT SHALL ID TECH BE LIABLE FOR CLAIMS BASED UPON BREACH OF EXPRESS OR IMPLIED WARRANTY OF NEGLIGENCE OF ANY OTHER DAMAGES WHETHER DIRECT, IMMEDIATE, FORESEEABLE, CONSEQUENTIAL OR SPECIAL OR FOR ANY EXPENSE INCURRED BY REASON OF THE USE OR MISUSE, SALE OR FABRICATIONS OF PRODUCTS WHICH DO NOT CONFORM TO THE TERMS AND CONDITIONS OF THE CONTRACT.

- ©2024 International Technologies & Systems Corporation. The information contained herein is provided to the user as a convenience. While every effort has been made to ensure accuracy, ID TECH is not responsible for damages that might occur because of errors or omissions, including any loss of profit or other commercial damage. The specifications described herein were current at the time of publication, but are subject to change at any time without prior notice.
- ID TECH is a registered trademark of International Technologies & Systems Corporation. 2DScan and Value through Innovation are trademarks of International Technologies & Systems Corporation.

Revision History

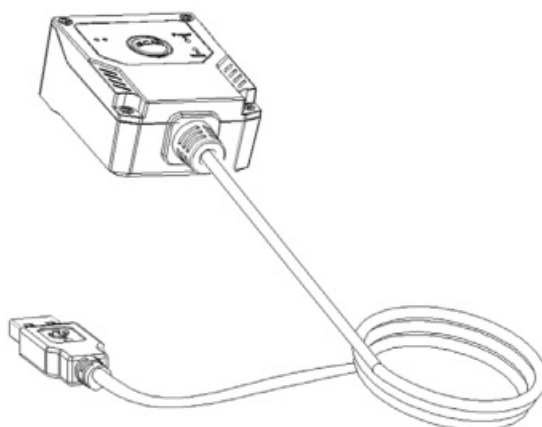| Rev	Date	Changes	By
A	01/23/2019	Initial release.	KT
C	10/25/2024	Updated weight and interfaces in Specifications.	CB

INTRODUCTION

- 2DScan FX200 is a 1D & 2D barcode reader. It can be used as a hand-held reader or as hand-free reader in a stand. Ergonomic design provides comfortable and easy use.
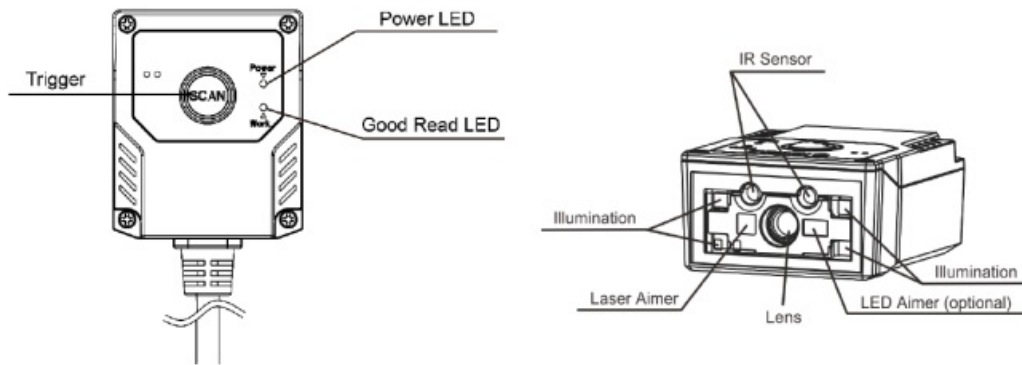
Main Unit

2DScan FX200

2DScan FX200

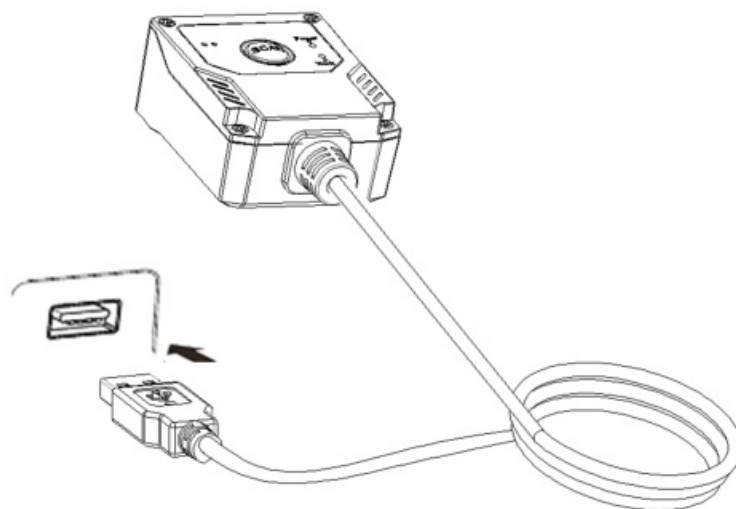**Outline** LED Scan Window and Certifications

INSTALLATION AND OPERATION

Connect the 2DScan FX200 to the Host.

Connecting with USB Cable

- Insert USB cable (USB male connector) into Host's (female) USB connector

TROUBLESHOOTING

Troubleshooting assistance for common problems:

- **Scanner does not turn on:**
    - USB communication can fail when cables are not connected correctly. Verify that the cable is in the correct USB port.
- **Scanner does not output data:**
    - The scanner may not be connected correctly to the host correctly; check the cable connection to the host computer.
    - The scanner may not be configured for the correct interface. Reconfigure the interface type for the scanner to match the USB cable.

- **Scanner does not read barcodes:**
  - The specific barcode may not be enabled; enable it.
  - The barcode may not be valid. Check the barcode with another scanner to verify it is readable.
  - The scanner firmware may not support the specific barcode; contact the dealer or ID TECH customer support.

SPECIFICATIONS

Performance		
Image Sensor		CMOS
Resolution		1280 X 800 pixels
Interface		RS-232, USB
Symbologies	2D	PDF417, QR Code, DataMatrix, Aztec Code, CSC, Maxicode, Micro QR, Micro PDF417, GM, Code One, etc.
	1D	EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Codabar, UCC/EAN 128, RSS, ITF, ITF-14, ITF6, Standard 25, Matrix 25, COOP 25, Industrial 25, Plessey, MSI Plessey, Code 11, Code 93, Code 49, Code 16K, etc.
Precision		≥ 3mil
Depth of Scan Field		40 mm ~ 360 mm
Print Contrast Signal		≥25%
Roll		360° (Omnidirectional)
Pitch		±55°
Skew		±55°
Illumination		White LED
Mechanical/ Electrical		
Power Consumption		1.622W (typical)
Voltage		DC 5V±5%
Current	Max	322.7mA
	Oper.	276.8mA
	Idle	83.3mA
Weight		56g
Sealing		IP54

Environment	
Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +70°C
Humidity	5% to 95% (non-condensing)
Certificates	
FCC Part15 Class B, CE EMC Class B, RoHS, IEC60825, IEC62471, KC	

SCAN MODE SETTINGS

- **Level Mode:** A trigger pull activates a decode session. The decode session continues until a barcode is decoded or you release the trigger.
- **Sense Mode:** The scanner activates a decode session every time it detects a presented barcode. The decode session continues until a barcode is decoded or the decode session timeout expires.
    - Timeout between Decodes (Same Barcode) can avoid undesired rereading of the same barcode in a given period of time.
    - Image Stabilization Timeout gives the scanner time to adapt to the ambient environment after it decodes a barcode and "looks" for another.
    - Image Change Trigger Sensitivity can change the Sense Mode's sensibility to changes in images captured.
    - IR Proximity Trigger Sensitivity can adjust the Sense Mode's sensitivity in detecting barcodes presented to the scanner.
- **Continuous Mode:** The scanner automatically starts one decode session after another. To suspend/resume barcode reading, simply press the trigger.
    - Timeout between Decodes (Same Barcode) can avoid undesired rereading of same barcode in a given period of time.
- **Pulse Mode:** When the trigger is pulled and released, scanning is activated until a barcode is decoded or the decode session timeout expires (the decode session timeout begins when the trigger is released).

@SETUPE1

Enter Setup

@SCNMOD0

Level Mode

@SCNMOD2

** Sense Mode

@SCNMOD3

Continuous Mode

@SCNMOD4

Pulse Mode

@SETUPE0

** Exit Setup

Note: Programming sequences:

1. Read Enter Setup.
2. Read a programming code, such as Sense Mode.
3. Read Exit Setup.

Restore Factory Default Settings

1. Read the Enter Setup barcode to enter the setting mode.
2. Scan the Default barcode.
3. Exit the setting mode by scanning the Exit Setup.

```
||||| || |||| ||| ||| |||| || |||
@SETUPE1
```
Enter Setup

```
||||| ||| |||| ||| ||| |||| |||
@FACDEF
```
Restore All Factory Defaults

```
||| ||| |||| ||| ||| |||| |||
@SETUPE0
```
** Exit Setup

Check Firmware Version

1. Read the Enter Setup barcode to enter the setting mode.

2. Scan the Check Version barcode.

3. Scan Exit Setup to exit the setting mode.

```
||| ||| |||| ||| ||| |||| |||
@SETUPE1
```
Enter Setup

```
||| ||| |||| ||| ||| |||| |||
@QRYFWV
```
Query Firmware Version

```
||| ||| |||| ||| ||| |||| |||
@SETUPE0
```
** Exit Setup

TESTING CODES

Code128

Code128

059183979215

UCC/EAN-128

059183979215

UPC-E

0 1 2 3 4 5 6 5

UPC-A

0 09876 54321 5

Interleaved 2 of 5

059183979215

Code39

123456

PDF417

QR Code

DataMatrix

Download the full FX200 User Manual at **www.idtechproducts.com**

FAQs

Q: How do I restore factory default settings?
A: Refer to section 5.1 in the manual for detailed instructions on restoring factory default settings.

Q: How can I check the firmware version of the scanner?
A: Section 5.2 provides information on how to check the firmware version of the scanner.

Q: What should I do if the scanner does not read barcodes?
A: Check if the specific barcode is enabled, verify barcode readability, and contact customer support if needed.

Documents / Resources

IDTECH FX200 2DScan Barcode Scanner [pdf] User Manual
FX200, FX200 2DScan Barcode Scanner, 2DScan Barcode Scanner, Barcode Scanner, Scanner

References

- **User Manual**