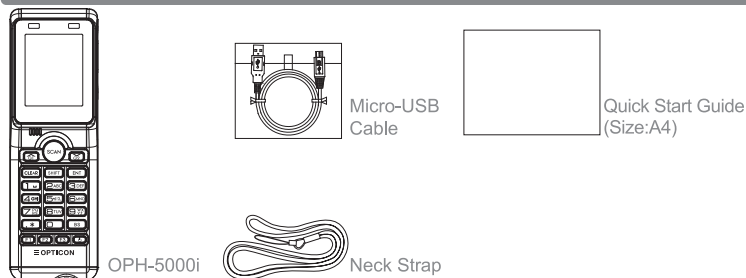


# OPH-5000i

## Quick Start Guide

OPTICON

### What's in the Box



### Introduction

- The OPH-5000i is a Handheld Computer 2D Imager Scanner, that can read 1D codes, 2D codes, OCR, capable of transmitting the scanned data to other devices.
- Read this quick start guide carefully before installing and/or using this product.
- Keep this quick start guide for future reference and store it in a safe place.

### Caution and Warning (Refer to the specification manual and instruction guide for details)

#### Electrical handling

- In case any abnormality occurs in the scanner or stops working, unplug the cable and the adapter then contact the dealer. Leaving as is may cause malfunction, overheating, smoke and fire.
- Do not use this product at a voltage that is outside of the specified range. Doing so may cause overheating, smoke, and fire.
- Do not bring the adapter in contact with water, it may cause a short-circuit.

#### Excessive shock / stress

- Do not drop this product.
- Do not push or place this product under or between heavy objects.
- Do not swing the product around by the USB cable or neck strap, as that might cause injury or damage to the device.
- Do not apply shock or excessive force to jacks and connectors.

#### Radio Law

This product qualifies as specified radio equipment for radio stations of 2.4 GHz band data communication system and has obtained the Certification for Construction Design of Specified Radio Equipment. Therefore, radio station license is not required in Japan.

The following activities are prohibited under the Radio Law:

- Remodeling and disassembly
- Peeling off the certificate label

Do not use this equipment under the following environments, as radio interference may affect other devices and end up with causing physical or material damage.

- Safety apparatus and medical devices
- Environments where there is potential for serious damage

#### Bluetooth

- This product supports Bluetooth wireless communication with other Bluetooth devices that have the same profile.
- This product complies with Bluetooth standards; however, its communication performance with untested devices is not guaranteed.
- Bluetooth devices use the 2.4 GHz frequency band that is shared among other devices. It may affect the communication speed and distance between this product and the host device.
- The communication speed and distance may vary depending on the interference and radio wave condition between this product and the host device.

#### Frequency Band

This product uses the 2.4 GHz frequency band. Read carefully the followings before using this product.

In the frequency band of this product, scientific, medical and industrial devices including microwaves are used. Also other radio stations, including local private radio stations for mobile object identification requiring license, specific power-saving radio stations requiring no license, and amateur radio stations are managed.

- Make sure that "other radio stations" are not managed in the frequency band 2.4 GHz before using this product.
- In case that radio interference occurs between this product and "other radio stations," change the service space immediately, or stop transmitting radio signals to avoid the interference.
- If you have any questions or issues, please contact our sales office.

#### Operating environment

- Do not use this product at temperatures outside the specified range.
- Do not use this product near combustible materials (including gas, powder, etc.). It may cause smoke and fire.
- Do not immerse this product in water or any other liquid.
- If perchance condensation has formed on the product, abstain from using it until the moisture has evaporated to prevent malfunctions.
- Do not store this product in either dusty environments or in extremely high humidity.
- Do not store this product in either extremely cold or hot places. Also avoid exposure to direct sunlight for long periods of time.
- Avoid static electricity and do not put the product near a radio or a TV. Excessive static electricity may cause malfunctions.

#### Others

- Do not disassemble this product.
- Do not expose this product to edible / industrial fat and chemicals.
- This product may be affected by momentary voltage fluctuations caused by lightning.
- Do not let children use this product.
- Do not attach metal pieces or metal foil to the Charging Coil Position and NFC Coil Position on the back of OPH-5000i. Also, do not attach anything that prevents insertion into the charging cradle.
- LCD is made out of tempered glass, but do not intentionally hit or drop.
- Fully charge the battery before use.
- To keep the USB connector dust free, be sure to close the USB cap when not in use.
- Disconnect the USB cable from the connector after charging is completed. The OPH-5000i is not designed for usage while connected.
- For Europe (WEEE) this product must be disposed of according to local regulations.

### Trademarks

- Company name and logo used are registered trademarks of OPTOELECTRONICS group.
- Android and Google Play are trademarks or registered trademarks of Google LLC.
- Bluetooth® is a registered trademark owned by Bluetooth SIG, Inc., U.S.A. and is used by OPTICON under license.
- Product names etc. in this document may be trademarks or registered trademarks of other companies and are the property of their respective owners.

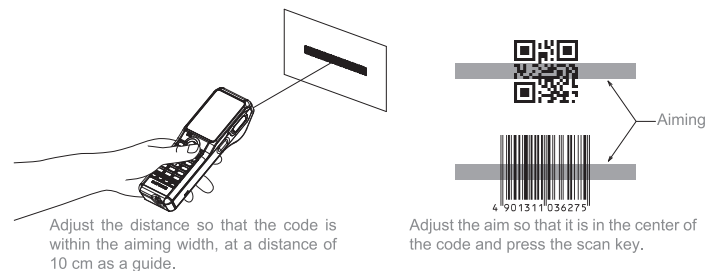
### Europe – EU Declaration of Conformity

Hereby, Opticon Sensors Europe B.V. declare that the radio equipment type OPH-5000i is in compliance with Radio Equipment Directive 2014/53/EU  
The full text of the Declaration of Conformity is available at the following internet address:  
<https://opticon.com/product/oph-5000i/>

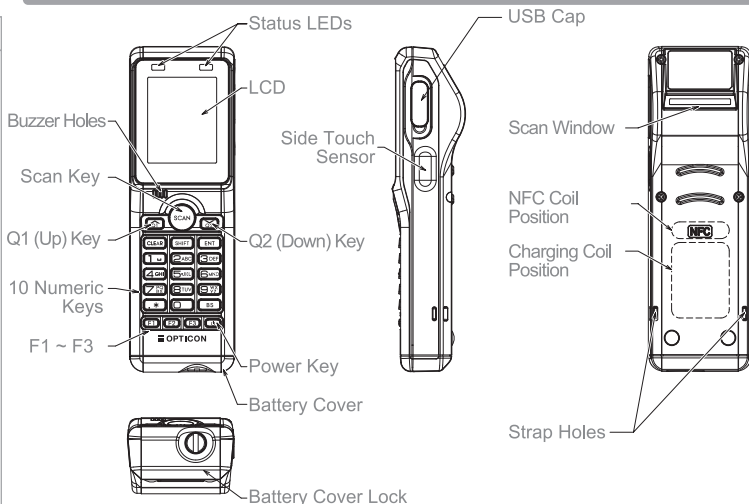
Copyright © 2020 OPTICON. All rights reserved.

### Basic Operation

- To read 1D and 2D codes, be careful not to bring the scanner too close to the target, as this may cause the scan to fail.
- Aim the green aiming light at the target code.



### Detailed View



Item	Description
Status LEDs	The LEDs can be controlled by a custom application to indicate the status of such things as scanning code and communication.
LCD	Indicates the status of program execution, scanned data and so on.
USB Cap	Cap for USB connector.
Buzzer Holes	Sound from a built-in buzzer that comes out through these holes.
Strap Holes	A hole to attach a strap.
Scan Window	LED illumination is emitted through this window to read barcodes.
Battery Cover	Protects the battery.
Battery Cover Lock	Used to lock / open the battery cover.
Charging Coil Position	Power is supplied when charging with the dedicated cradle.
NFC Coil Position	Hold NFC reader when reading NFC tag of this scanner.
Side Touch Sensor	Start scanning code by touching the sensor.
Scan Key	Scans a barcode.
Q1 (Up) Key / Q2 (Down) Key	Used when selecting items from a menu. Can be programmed by users to set certain functions.
10 Numeric Keys	Numeric input key, Enter key, Decimal point key and other keys to assist these inputs.
F1 ~ F3	Function keys.
Power	Turns the power ON and OFF.

### Spec Summary

Dimensions	136 (D) × 44 (W) × 30.3 (22) (H) mm ( ) is grip dimensions
Weight	Approx. 120 g (including the battery)
Bluetooth®	SPP / HID, 2402MHz ~ 2480MHz, 4dBm max. (25°C)
W-LAN	IEEE802.11 b/g/n compatible, 2412 ~ 2472MHz, 4.2dBm/MHz max. (25°C) * 802.11b : 20.0 dBm max. (25°C) / 802.11g : 19.0 dBm max. (25°C) / 802.11n : 18.5 dBm max. (25°C)
USB	HID / COM / Mass storage (connector : Micro-USB)
Power	Lithium-ion 1100 mAh
Exterior Plastics	Molded ABS plastics, Rubber USB connector cap
Durability	Operating : -10 to 50 °C (no condensing, no frost) Storage : -20 to 60 °C (no condensing, no frost)
Other	RoHS directive, REACH regulation

\* The contents of this document are subject to change without prior notice.

\* The values listed are based on measuring method specified by OPTOELECTRONICS.

Edition: 1st - March 2020  
OPH50009052-0-00

**FCC Part 15 Subpart B****Compliance statement**

<p>Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information</p> <p>Unique Identifier: OPH-5000i</p> <p>Responsible Party – U.S. Contact Information</p> <p>Opticon Inc. 2220 Lind Avenue SW, Suite 100 Renton, WA 98057 <a href="https://opticon.com/">https://opticon.com/</a></p> <p>FCC Compliance Statement</p> <p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.</p> <p>This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).</p> <p>Use the accessory cable.</p>
---

**Caution**

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Properly shielded and grounded cables and connectors must be used for connection to host computers and / or peripherals in order to meet FCC emission limits.
- This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
- This equipment complies with FCC radiation exposure limits set forth for a controlled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.
- The OPH-5000i has been tested and meets the FCC RF exposure guidelines when used with the OPTICON accessories that have been supplied with or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

**Note**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the 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. Operation of this equipment in a residential area may cause unacceptable interference in which case the user will be required to correct the interference.

**Select the Opticon office**

<b>The Netherlands</b>	Opticon Sensors Europe B.V. Opaallaan 35, 2132XV, Hoofddorp tel : +31 (0)23 - 5692700 email : <a href="mailto:sales@opticon.com">sales@opticon.com</a>
<b>France</b>	Opticon S.A.S.U. tel : +33 (0)1 - 55 90 56 40 email : <a href="mailto:sales.fr@opticon.com">sales.fr@opticon.com</a>
<b>Germany</b>	Opticon Sensoren GmbH tel : +49 (0)6074 - 918900 email : <a href="mailto:sales.de@opticon.com">sales.de@opticon.com</a>
<b>United Kingdom</b>	Opticon Limited tel : +44 (0)1582 - 433763 email : <a href="mailto:uksales@opticon.com">uksales@opticon.com</a>
<b>Italy</b>	Opticon s.r.l. tel : +39 051 - 6321800 email : <a href="mailto:sales-it@opticon.com">sales-it@opticon.com</a>
<b>Sweden</b>	Opticon Sensors Nordic AB tel : +46 (0)8 - 58548560 email : <a href="mailto:sales.se@opticon.com">sales.se@opticon.com</a>
<b>USA</b>	Opticon Inc. tel : 800 636 - 0090 email : <a href="mailto:sales@opticonusa.com">sales@opticonusa.com</a>
<b>Brazil</b>	Opticon Latin America tel : +55 11 - 5081 2088 email : <a href="mailto:sales.la@opticon.com">sales.la@opticon.com</a>
<b>Australia</b>	Opticon Sensors Pty. Ltd. tel : +61 (0)2 - 88754544 email : <a href="mailto:sales.au@opticon.com">sales.au@opticon.com</a>
<b>China</b>	Opticon Trading Shanghai Co.,Ltd. tel : +86 - 21 - 55500321 email : <a href="mailto:china@opticon.com">china@opticon.com</a>
<b>Vietnam</b>	Opticon Vietnam LLC tel : +84 28 222 88 262 email : <a href="mailto:sales.vn@opticon.com">sales.vn@opticon.com</a>
<b>Denmark</b>	Opticon Danmark ApS tel : +45 (0)44 220102 email : <a href="mailto:denmark@opticon.com">denmark@opticon.com</a>
<b>Spain</b>	Opticon - Spain tel : +34 914 167 794 email : <a href="mailto:sales.es@opticon.com">sales.es@opticon.com</a>
<b>Taiwan</b>	Opticon Sensors Europe B.V. Taiwan Branch tel : +886 2 - 27597444 email : <a href="mailto:taiwan@opticon.com">taiwan@opticon.com</a>
<b>Philippines</b>	Opticon Sensors Philippines Inc. tel : +632 801 2176 email : <a href="mailto:sales.ph@opticon.com">sales.ph@opticon.com</a>