

# ZKTECO QRM10L QR Code Collector User Manual

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**User Manual**  
**QRM10/QRM10L/QRM10X**  
**Date: April 2021**  
**Doc Version: 1.0**

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## Preface

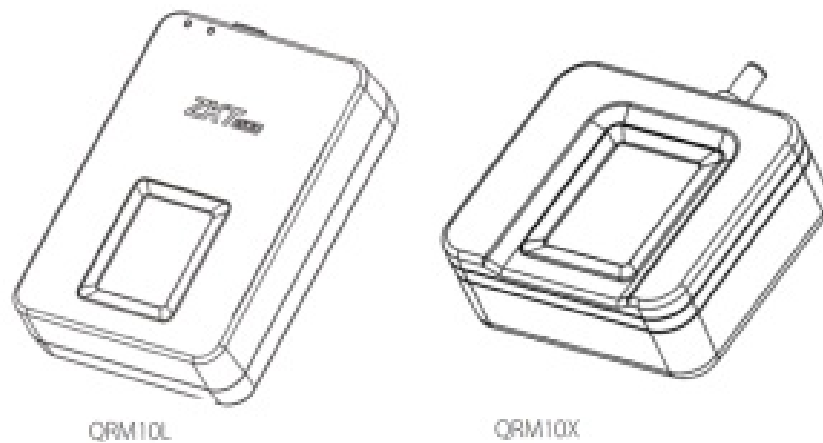
Thank you for choosing our product QRM10 series QR code collector. Please read this User Manual carefully before use.

We strongly believe that the QR code collector will provide you and your customers with an outstanding user experience and will elevate your brand image and management to a higher level.

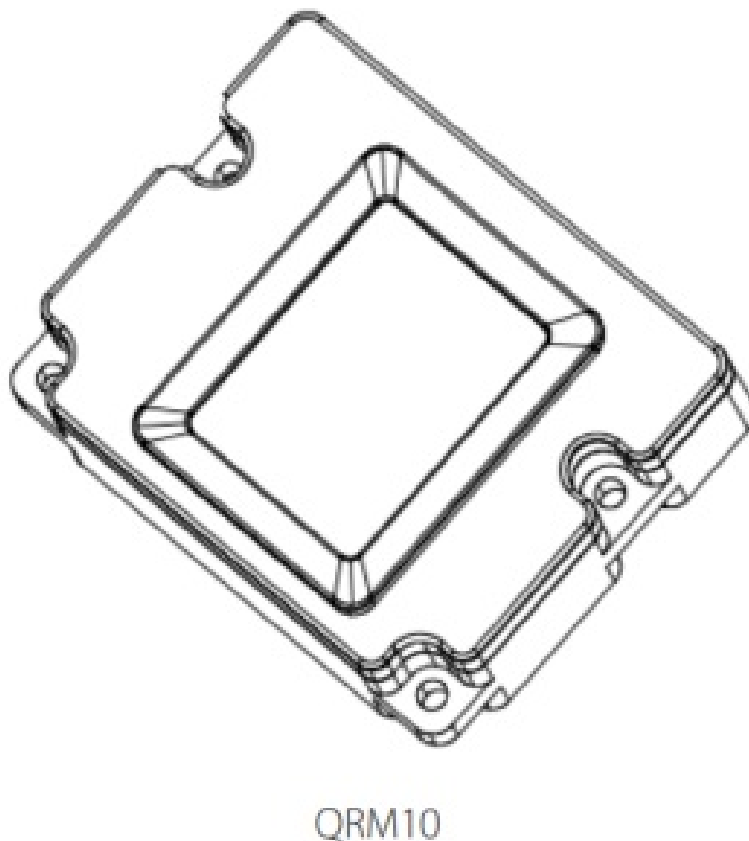
Please do not optionally dismantle the product or modify the system settings without professional instructions, as this could compromise the product's quality and service life. Please contact the local dealers if you have any questions.

## Introduction

QRM10L, QRM10X QR code collector is a highly integrated, high-performance QR code collector that includes the QR code scanning engine algorithm and driver. The product has a delicate appearance and is equipped with a high-speed processor, making it suitable for all types of users. The collector supports Windows, Android, and Linux operating systems.



The QRM10 module is a compact optical module. It not only has all the functions of the collector, but it can also integrate applications with various products in a flexible manner without the use of any accessories.



## Features

- It is the most recent and precise QR code Identification Technology.
- It is compatible with Windows, Android, and Linux operating systems.

## Technical Specifications

| Features                   | Specifications   |
|----------------------------|--|
| Scanner Type               | QRM1OL and QRM1OX  |
| Material                   | Optical  |
| Dimensions (L *W* H)       | QRM1 OL: 75.5 * 53.2 * 19 mm   |
|                            | QRM1OX: 49 *44* 20.1 mm  |
| Operating System           | Windows, Linux, and Android  |
| Scanning Angle             | Roll: 360°, Pitch: ±40°, Yaw: ±60°   |
| FOV                        | Horizontal: 66°, Vertical: 50°   |
| Image Size                 | 648 * 488 pixels   |
| Illumination Intensity     | 0 to 10000 Lux   |
| One-dimensional Code Types | UPC-A, UPC-E, UPC-E1, EAN-8, EAN-13, EAN-14, EAN-128, UCC1 28, ISBN/ISSN, CODE11, CODE32, CODE39, CODE39 Full ASCII, CODE93, CODE128, interleaved 2 of 5, industrial 2 of 5, Matrix 2 of 5, China post code, UK/Plessey, and GS1 |
| Types of QR Code           | QR code, PDF417, Data Matrix, MicroPDF417, and Aztec   |
| Operating Temperature      | -10°C to +50°C   |
| Operating Humidity         | 5% to 93% RH (Non-condensing)  |
| Operating Voltage          | 5.0V±0.25V (USB)   |

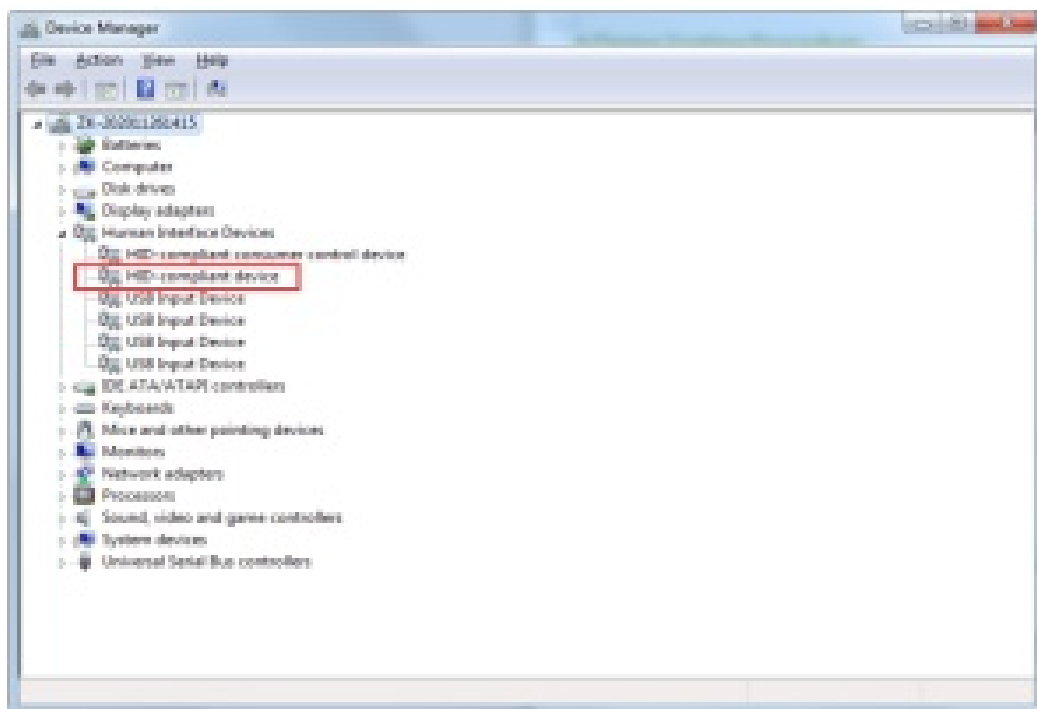
|   |                       |
|---|-----------------------|
| <b>Operating Current (Working Mode)</b> | 240mA                 |
| <b>Operating Current (Idle Mode)</b>    | 50mA                  |
| <b>Anti-static Voltage</b>              | ?-8kV                 |
| <b>Communication Interface</b>          | USB keyboard, USB HID |

## Scanning

| Depth of Field |              |                   |                   |
|----------------|--------------|-------------------|-------------------|
| Code Type      | Barcode Size | Content Byte Size | Scanning Distance |
| Code128        | 6mil         | 6 bytes           | 5 to 6cm          |
| Code128        | 12.5mil      | 15 bytes          | 10 to 15cm        |
| Qrcode         | 40mil        | 28 bytes          | 5 to 25cm         |

## Driver Installation

Insert the USB and open the device manager. The device will be displayed as shown in the figure.



It is not necessary to install the driver or use the SDK. After inserting the USB successfully, open the Notepad and scan the code directly. The public content will be displayed as the text of the successful scan, indicating that the device verification was successful.



Other QR code devices or development tools from ZKTeco can collect the original image of a QR code. If users believe it is an infringement, they should contact the Government or the equipment's end provider. ZK Teco, as the original manufacturer of the equipment, will bear no legal liability.

Users can refer to ZKTeco's official website to obtain relevant product information: <http://www.zkteco.com>.

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## Documents / Resources



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