



**KBR2D** product information

# KIOSK BARCODE READERS

**KBR2D** is a high-performance, high-volume omnidirectional scanner also available in a plastic case version (**KBR2D-C**).



KBR2D-C



KBR2D

# TARGET MARKET

**KBR2D** is the family of barcode scanners designed for self-service kiosks, ATMs, price checkers, healthcare. With its compact size it can be easily integrated into any OEM application.



HEALTHCARE



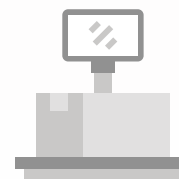
ELECTROMEDICAL

*Blood test, urinalysis, etc.*



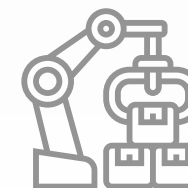
AUTOCLAVES

*Dentists + hospitals*



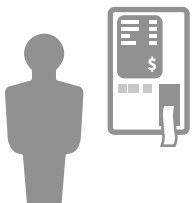
WEIGHING & SCALES

*Overhead cranes + industrial weighing systems*



AUTOMATION

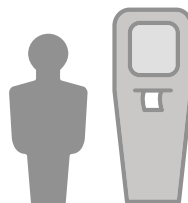
*End of line control, testing machines, plc, etc.*



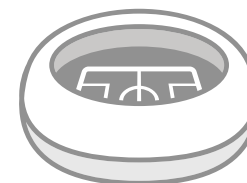
SELF-PAYMENT



INFO KIOSK

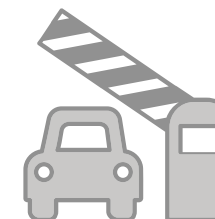


SELF-SERVICE



SPORTS & EVENTS

*Manned ticket offices, etc.*

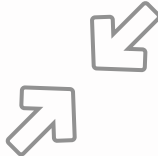


PARKING

*Manned ticket offices, etc.*

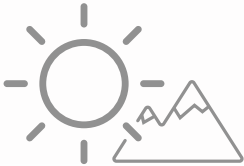
# BENEFITS

Here's how **KBR2D** can improve your business and make your workflow more efficient.



### ULTRA-COMPACT

High flexibility and easy integration



### IDEAL FOR OUTDOORS

Fast omnidirectional scan even in bright environments



### FLEXIBILITY

High accuracy and reliability



### ADVANCED FUNCTIONS

Reading also from smartphones and tablets



### MAX CONTROL

Setup the barcode reader with our tool Custom ScannerSet

## INCLUDED WITH KBR2D

The device comes with the control board, a short guide and a warranty sheet.



## INCLUDED WITH THE KBR2D-C

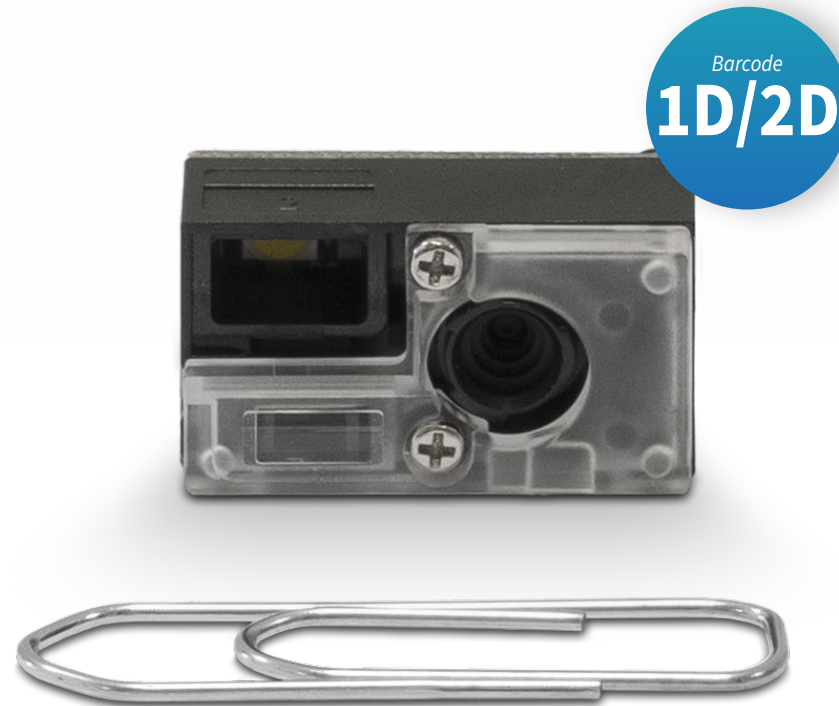
The device comes with a short guide and a warranty sheet.



## TINY AND POWERFUL

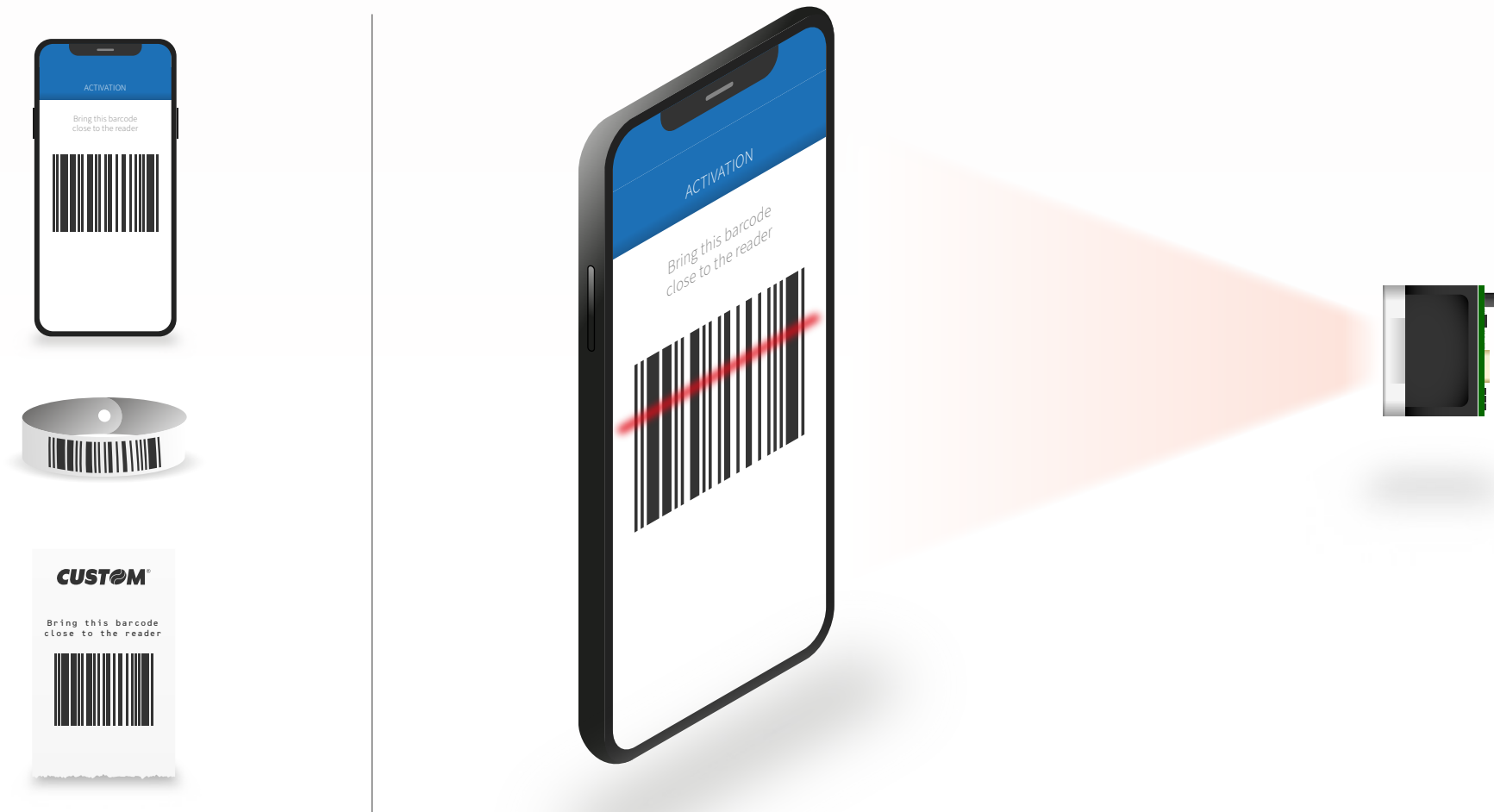
**KBR2D** is smaller than a paperclip, its extremely small size allows for ample flexibility in positioning inside a kiosk.

Based on CMOS technology for optimal image sensitivity and dynamic range, it is capable of quickly and accurately reading any 1D and 2D barcodes.



## PAPER AND DISPLAY

**KBR2D** is able to detect a barcode printed on paper (badges, receipts, health bracelets) as well as on a display, whether a smartphone, tablet or PC, even with **brightness reduced to 25 or 30%**.





## DOES NOT FEAR THE LIGHT

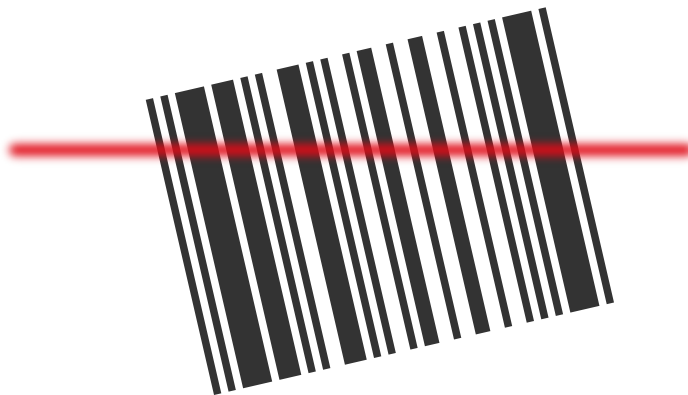
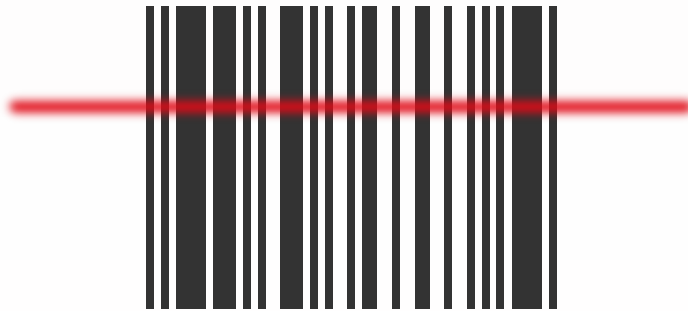
**KBR2D** is capable of long distance reading from 3 to 28 cm and works in any lighting condition from 0 to **100,000 lux**.

Even in direct sunlight.



# INFALLIBLE

The red colored pointer guarantees precise aiming and optimal barcode acquisition.  
No need to align barcode and scanner, ensuring user comfort and protecting productivity.



## BARCODES 1D

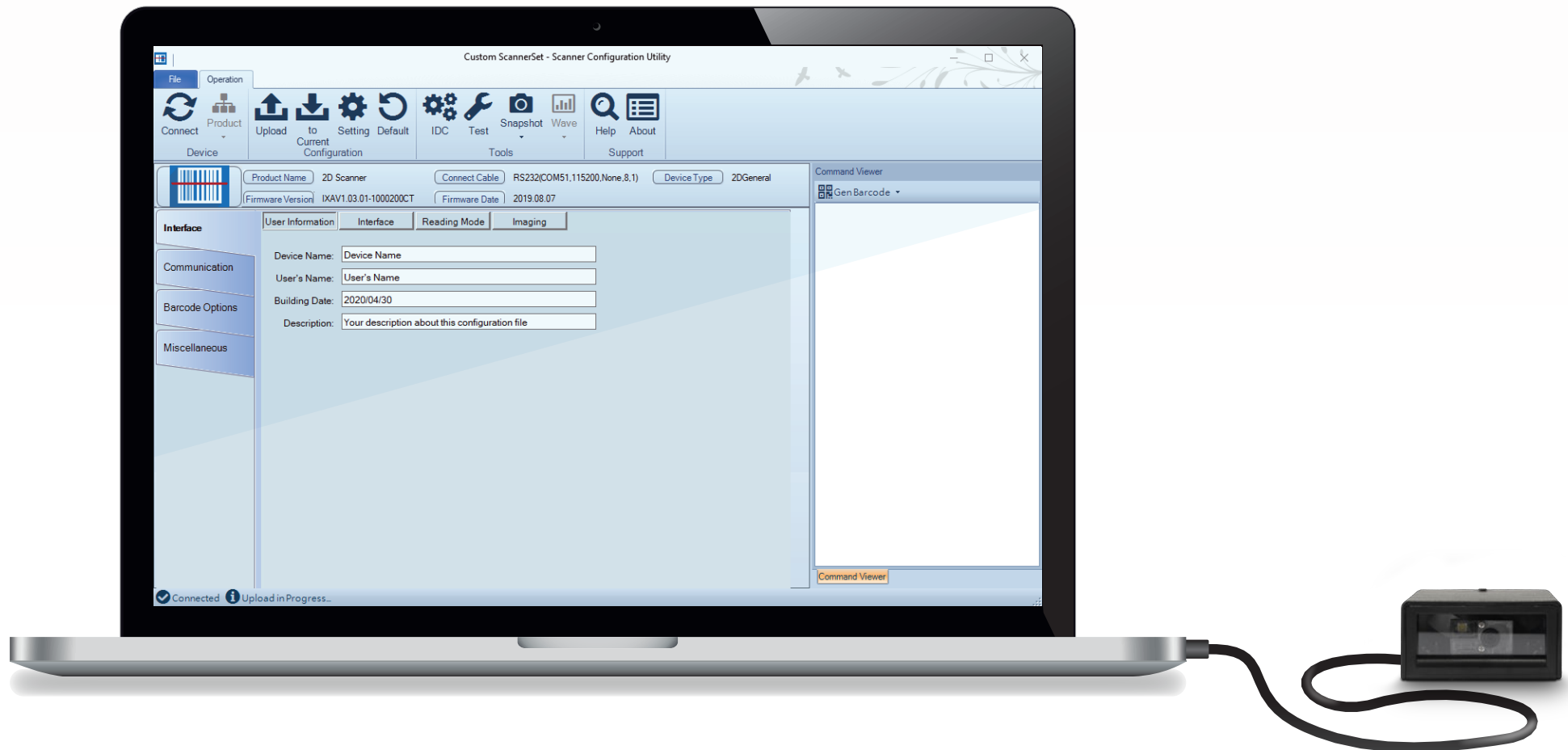
UPC-A,  
UPC-E,  
EAN-8/JAN-8,  
EAN-13/JAN-13,  
Code 39,  
Code 128,  
Interleaved 25,  
Industrial 25,  
Matrix 25,  
Codabar/NW7,  
Code 93,  
China Post,  
MSI/Plessey,  
Telepen,  
GS1 Databar Omni-directional,  
GS1 Databar Limited,  
GS1 Databar Expended

## BARCODES 2D

Data Matrix,  
PDF 417,  
QR Code,  
Micro QR Code,  
Dot Code/OPTION: Aztec,  
Micro PDF 417,  
  
disabled by default:  
Aztec,  
Micro PDF 417,  
Micro QR Code,  
Han Xin Code,  
GM Code

# EASY PC BARCODE READER SETUP

Custom ScannerSet is a powerful tool for a complete, easy and quick management of your barcode reader. Easily configure your barcode reader with an intuitive user interface. Connect the device to the PC via USB and launch the app.



## UPDATE THE CONFIGURATION ON THE FLY

Users may select the desired parameters and click a button to generate a PDF with the QR Code which is composite code for all the settings. Users simply scan this QR Code and the configuration process is completed.

Barcode for Configuration: (bytes:20, size:50)



Configuration Commands:

Start Configuration(%\$+/3)

Symbologies Selection: GS1 DataBar Limited ON(%0VO8)

Symbologies Selection: China Postage OFF(%0MO0)

Save Parameters(%\$+/0)

# THE BENEFITS OF USING CUSTOM ScannerSet

Here's how **ScannerSet** can improve your business and make your workflow more efficient.



### FULL CONFIGURATION

Illuminator, LED decoding, sound level, etc.



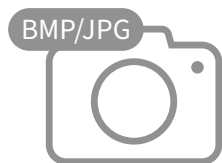
### AUTOCONFIGURATION GENERATOR

PDF file with auto configuration barcode (both 1D and 2D)



### BARCODE OUTPUT CONFIGURATION

Keyboard mapping, Intelligent data composer



### FLEXIBILITY

Ability to capture both barcodes or images



### MAX CONTROL

Setup the barcode reader with our tool Custom ScannerSet

## PERFORMANCE

With **KBR2D** you can count on a product with good performance and high reliability

Sensor

**1280x 800 px**

Field of view

**55° Horizontal**  
**35° Vertical**

Scan rate

**60 fps**  
(at full resolution)

MTBF

**50.000 hours**



Resolution (Code39)

**3mil / 0.076 mm**  
(PCS 90%)

Resolution (QRCode)

**8mil / 0.2 mm**  
(PCS 90%)

Operating temperature

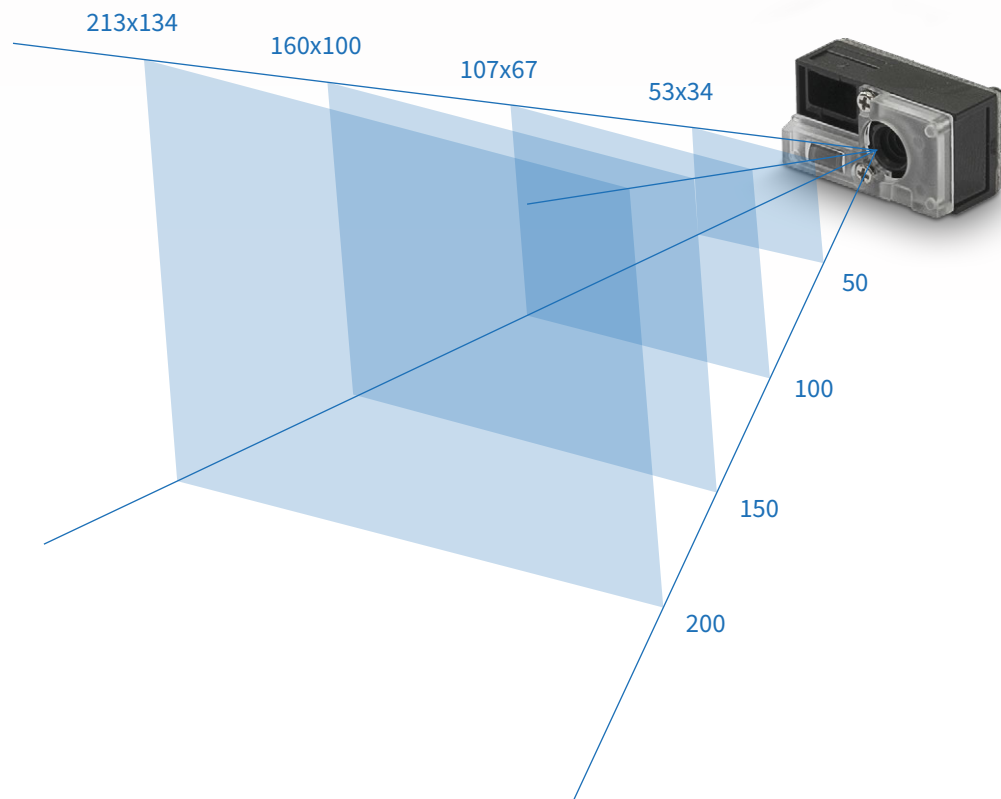
**0°C to 50°C**

Relative humidity

**20% to 95%**  
(Non-condensing)

## READING AREA

Note: The test is under ambient light 700 ~ 800 Lux.



### KBR2D

BARCODE	DEPTH OF FIELD
3mil Code39	60~100 mm
4mil Code39	55~110 mm
10mil Code39	50~220 mm
20mil Code39	50~300 mm
20mil QRCode	50~200 mm
20mil PDF417	50~120 mm

### KBR2D-C

BARCODE	DEPTH OF FIELD
3mil Code39	50~90 mm
4mil Code39	45~100 mm
10mil Code39	30~220 mm
20mil Code39	30~280 mm
20mil QR Code	30~210 mm
20mil PDF417	30~120 mm

The difference in depth of field between the two models depends on the fact that in the KBR2D-C model the optics are housed in a frame.

## A COMPLETE SOLUTION

Are you interested in this barcode reader?

Remember that Custom is also a leader in the design and production of printing and scanning solutions and is able to support you by providing a complete solution for your kiosk or your OEM application.



VKP80III

A6 SCANNER

KBR2D-C

KBR2D



# ORDERING INFORMATION



## MODELS

9C3FH01000001	KIOSK BARCODE SCAN 1D/2D OPEN FRAME KBR2D
9C3FH01000002	KIOSK BARCODE SCAN 1D/2D COVERED KBR2D-C



**CUSTOM**<sup>®</sup>

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