



KBR2D

Kiosk Barcode Reader

KBR2D is the family of barcode scanners designed for self-service kiosks, ATMs, price checkers, healthcare and for any OEM application, also available in a plastic case version (KBR2D-C). KBR2D is a high-performance, high-volume omnidirectional scanner, capable of quickly and accurately reading any 1D and 2D barcodes, whether printed on paper (badges, receipts, health bracelets) or displayed on the screen of a smartphone or of a tablet. KBR2D scanners are based on CMOS technology for optimal image sensitivity and dynamic range. KBR2D integration is quick and easy thanks to several mounting options.

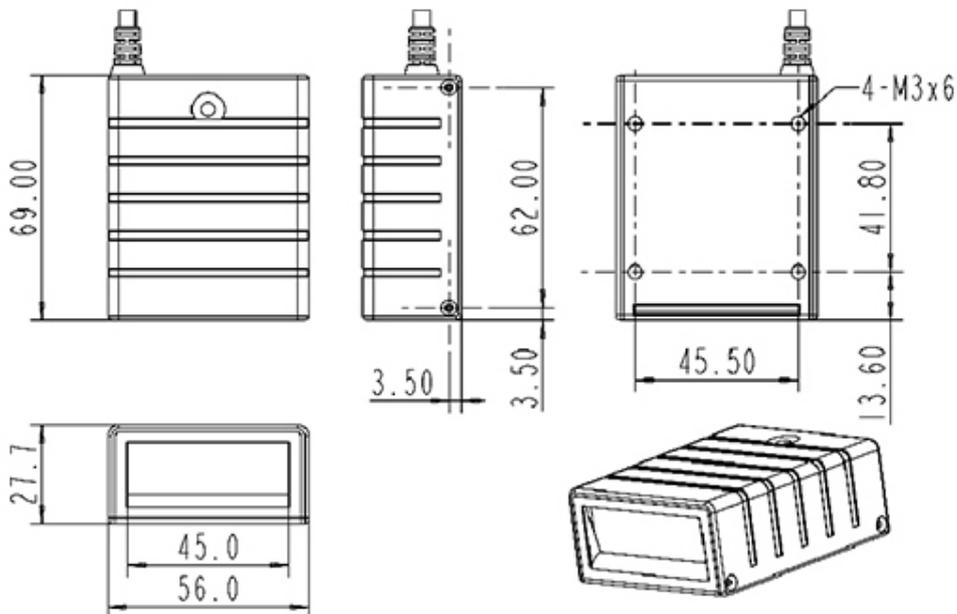


CARACTERÍSTICAS

- **Easily integrated** with various OEM applications
- 1D and 2D barcode scanning
- **Omnidirectional scanning:** no need to align barcode and scanner, ensuring user comfort and protecting productivity
- **Long distance reading** from 3 to 28 cm without problems even in direct sunlight (100,000 lux)
- **Reading barcodes on screens** of smartphones or tablets even with brightness reduced to 25/30%
- Red colored pointer for precise aiming and optimal barcode acquisition
- **Flexibility:** various external mounting options or internal screw holes
- **Integrated decoder**
- **Custom ScannerSet** configuration software

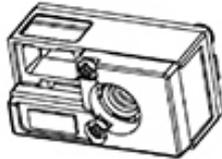
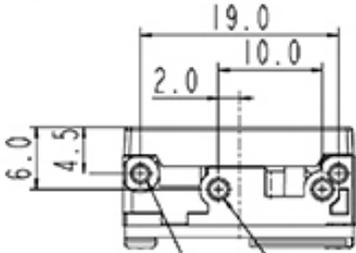
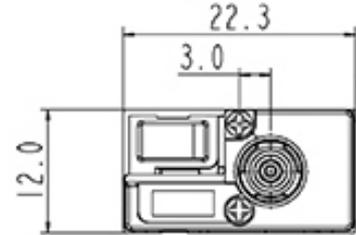
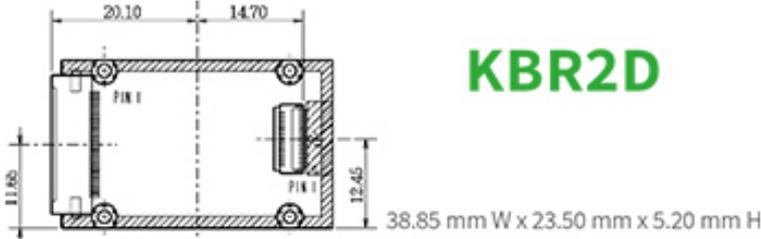
DIMENSION:

KBR2D-C



56 mm W x 69 mm D x 28 mm H

KBR2D



2- \varnothing 1.65 (screw hole)
2- \varnothing 1.4 (screw hole) unit : mm

FICHA TÉCNICA

| | KBR2D-C | KBR2D |
|------------------------------------|--|------------------------------------|
| GENERAL | | |
| Interface | USB-HID(or Virtual COM port) | RS232/USB-HID(or Virtual COM port) |
| Barcodes Supported (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 Expanded | |
| Barcodes Supported (2D) | Data Matrix, PDF 417, QR Code, Micro QR Code, Dot Code DISABLED BY DEFAULT: Aztec, Micro PDF 417, Han Xin Code, GM Code | |
| ELECTRICAL | | |
| Supply Voltage | DC+5V±5% | |
| Current Draw | | |
| Stand By (Typ.) | 40mA ±10% | |
| Operation (Typ.) | 380mA ±10% | |
| PERFORMANCE | | |
| Light Source | White light LED | |
| Sensor | 1280 (H) x 800 (V) pixels | |
| Field of View | Horizontal – 55°, Vertical – 35° | |
| Scan Rate | 60 fps (at full resolution) | |
| Reading Distance | From 3 to 28 cm | |
| Print Contrast Ratio | PCS30%@5mil/0.127 mm | |
| Resolution | 3mil/0.076 mm@PCS90% Code39, 8mil/0.2 mm@PCS90% QRCode | |
| Reading Angle | Test Conditions: Code 39, 10mil/0.25 mm, PCS90% | |
| Pitch Angle/Skew Tolerance | 5°~60° (±5°) | |
| Ambient Light | Works in any lighting conditions from 0 to 100,000 lux | |
| Roll | 360° | |
| Indicator | Good read beep | |
| ENVIRONMENTAL | | |
| Operating Temperature | 0 °C to 50 °C | |
| Storage Temperature | -20 °C to 70 °C | |
| Relative Humidity | 20% to 95% (Non-condensing) | |
| RELIABILITY | | |
| Life Time MTBF (calculated) | 50,000 hours | |
| Thermal Shock | | |
| High Temp. | 60°C | |
| Low Temp. | -20 °C | |
| Cycle Time | 30 minutes for high temp./30 minutes for low temp. | |
| Mechanical Shock | 2000G, 0.7ms, half sinus, 3axes | |
| Vibration | 8G r.m.s, from 10 to 500Hz, 2 hours per axis, 3 axes | |

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PHYSICAL

Weight

Reader 106 g (optical + board + case) 28 g (optical + board)

USB cable 51 g -

Material Polycarbonate -

Dimension 56 mm W x 69 mm D x 28 mm H 38.85 mm W x 23.50 mm x 5.20 mm H

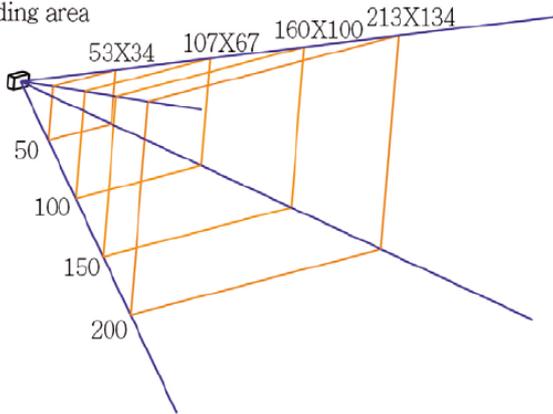
READING RANGE

Barcode mil/Depth of Field mm

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Reading area



| | | | |
|----------------------|-----------|----------------------|-----------|
| 3mil Code39 | 50~90 mm | 3mil Code39 | 60~100 mm |
| 4mil Code39 | 45~100 mm | 4mil Code39 | 55~110 mm |
| 10mil Code39 | 30~220 mm | 10mil Code39 | 50~220 mm |
| 20mil Code39 | 30~220 mm | 20mil Code39 | 50~300 mm |
| 20mil QR Code | 30~280 mm | 20mil QR Code | 50~300 mm |
| 20mil PDF417 | 30~210 mm | 20mil PDF417 | 50~200 mm |
| | 30~120 mm | | 50~120 mm |

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

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.

MODELOS



9C3FH01000001

KIOSK BARCODE SCAN 1D/2D
OPEN FRAME KBR2D

9C3FH01000002

KIOSK BARCODE SCAN 1D/2D
COVERED KBR2D-C

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