



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.







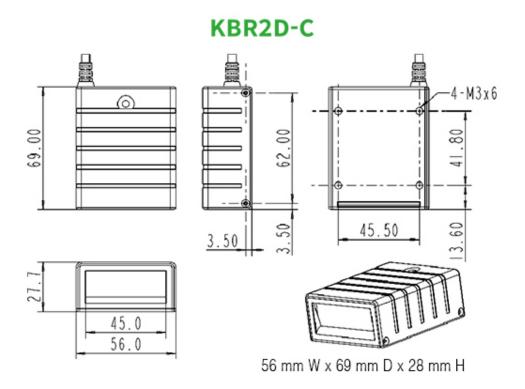




CHARACTERISTICS

- 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:



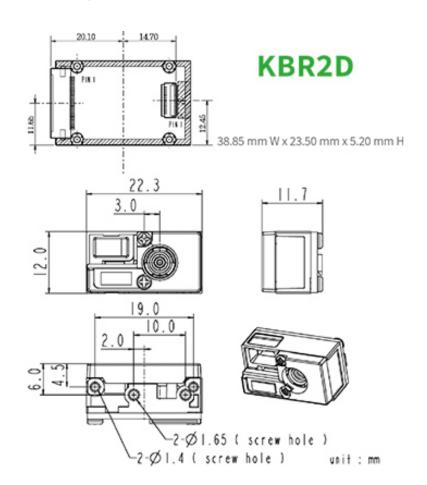


















TECHNICAL SHEET

Mineface USB-HID(or Virtual COM port) R232/USB-HID(or Virtual COM port)		KBR2D-C	KBR2D	
Barcodes Supported (1D) UPC-A, UPC-E, EANN-8/JAN-8, EAN-13/JAN-13, Code 39, Code 128, Interleaved 25, Industrial 25, Matrix 25, Codebar/NWT, Code 93, China Post, MSJ/Plessey, Telepen, GS1 Databar Ommi-directional, GS1 Databar Limited, GS1 Databar Expended Barcodes Supported (2D) Data Matrix, PDF 417, QR Code, Micro QR Code, Dot Code DISABLED BY DEFAULT: Aztec, Micro PDF 417, Har 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 128 (H) x 800 (V) pixels Floid of View Horizontal - 55°, Vertical - 35° Scan Rate 60 fps (at full resolution) Reading Distance From 3 to 28 cm Persolution Resolution 3mil/0.076 mm@PC590% Code39, 8mil/0.2 mm@PC590% QRCode Reading Angle Test Conditions: Code 39, 10mil/0.25 mm, PC590% Roll Morks in any lighting conditions from 0 to 100,000 lux Roll 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 MBF (calculated) So minutes for high temp, 30 minutes for low temp. Mechanical Shock 200C, O, 7ms, half sinus, 3axes	GENERAL			
Barcodes Supported (1D) China Post, MSI/Plessey, Telepen, GSI Databar Omni-directional, GSI Databar Limited, GSI Databar Expended Barcodes Supported (2D) Data Matrix, PDF 417, QR Code, Micro QR Code, Dct Code DISABLED BY DEFAULT: Aztec, Micro PDF 417, Har 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 Sonsor 1280 (H) x 800 (V) pixels Field of View Horizontal – 35°, Vertical – 35° Scan Rate 60 (ps (at full resolution) Reading Distance From 31 to 28 cm Print Contrast Ratio PC530%@5mil/0.127 mm Resolution 3mil/0.076 mm@PC590% Code 39, 3mil/0.27 mm@PC590% QR Code Reading Anglo Test Conditions: Code 39, 10mil/0.25 mm, PC590% Pitch Angle/Skew Tolerance Ambient Light Works in any lighting conditions from 0 to 100,000 lux Roll Indicator Good read beep ENVIRONMENTAL Operating Temperature Q0°C to 50°C Storage Temperature Q0°C to 70°C Relative Humidity Q0% to 95% (Mon-condensing) RELIABILITY Life Time MTBF (calculated) Thermal Shock High Temp. Q0°C Cycle Time 30 minutes for high temp,/30 minutes for low temp. Mechanical Shock 2000(0, 7ms, half sinus, 3axes	Interface	USB-HID(or Virtual COM port)	RS232/USB-HID(or Virtual COM port)	
China Post, MSI/Plessey, Telepen, GSI Databar Omni-directional, GSI Databar Limited, GSI Databar Expended Barcodes Supported (2D) Data Matrix, PDF 417, QR Code, Micro QR Code, Doc Code DISABLED BY DEFAULT: Aztec, Micro PDF 417, Har Xin Code, GM Code ELECTRICAL Supply Voltage DC+5V±5% Current Draw Stand By (Typ.) Operation (Typ.) 380m A ±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 310 28 cm Print Contrast Ratio PC\$30%@sinil/0.27 mm Resolution Resolution 3mil/0.076 mm@PC\$90% Code39, 9mil/0.22 mm, PC\$90% Pitch Angle/Skew Tolerance 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 50°C Relative Humidity 20% to 95% (Non-condensing) RELIABILITY Life Time Might Temp. 60°C Cycle Time 30 minutes for high temp,30 minutes for low temp. Mechanical Shock 2000C, 0.7ms, half sinus, 3axes				
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RELIABILITY Life Time MTBF (calculated) 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				
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Cycle Time 30 minutes for high temp./30 minutes for low temp. Mechanical Shock 2000G, 0.7ms, half sinus, 3axes	High Temp.			
Mechanical Shock 2000G, 0.7ms, half sinus, 3axes	Low Temp.	-20 °C		
	Cycle Time	30 minutes for high temp./30 minutes for low temp.		
Vibration 8G r.m.s, from 10 to 500Hz, 2 hours per axis, 3 axes	Mechanical Shock			
	Vibration			



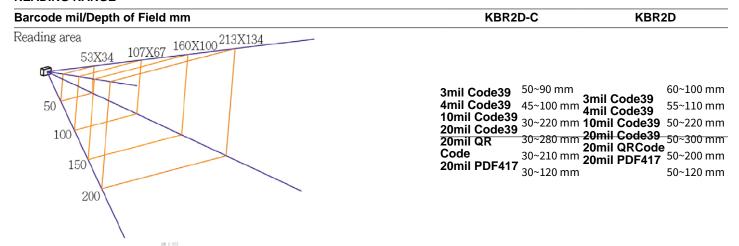




KBR2D-C KBR2D

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



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.

MODELS





9C3FH010000001 KIOSK BARCODE SCAN 1D/2D OPEN FRAME KBR2D

9C3FH010000002 KIOSK BARCODE SCAN 1D/2D COVERED KBR2D-C

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The technical data on this website are not binding and may be changed without advanced notice. Last update: 26 July 2023





