



# 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.







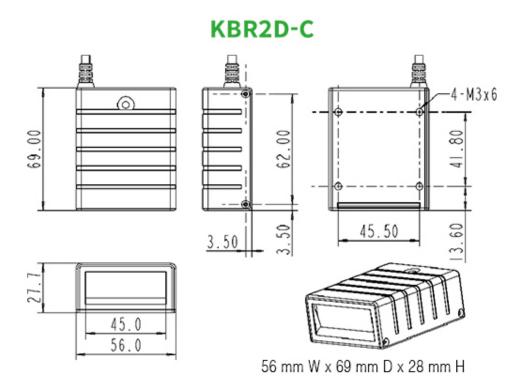




#### **CHARACTERISTICS**

- 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:

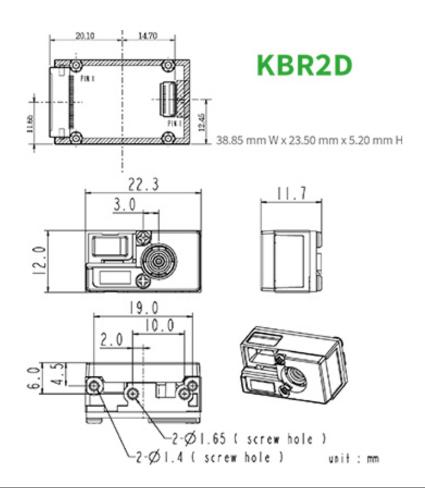


















### **TECHNICAL SHEET**

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.)  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 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 100,0000 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				
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.)  40m 4±10%  Operation (Typ.)  380m 4±10%  PERFORMANCE  Light Source  White light LED  Sensor  1280 (H) x 800 (M) 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  Reading Distance  From 3 to 28 cm  Print Contrast Ratio  Reading Angle  Test Conditions: Code 39, 10mil(0.25 mm, PCS90% QRCode  Reading Angle  Test Conditions: Code 39, 10mil(0.25 mm, PCS90% QRCode  Reading Angle  Test Conditions: Code 39, 10mil(0.25 mm, PCS90% QRCode  Reading Temperature  5°-60° (±5°)  Ambient Light  Works 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 MTBF (calculated)  Thermal Shock  High Temp.  60°C  Cycle Time  30 minutes for high temp/30 minutes for low temp.  Mechanical Shock  2000C, 0.7ms, half sinus, 3axes	Barcodes Supported (1D)	China Post, MSI/Plessey, Telepen, GS1 Databar Omni-directional, GS1 Databar Limited, GS1 Databar		
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 (ps (at full resolution)  Reading Distance  From 3 to 28 cm  Print Contrast Ratio  PC\$30%@\$\text{smin}(0.076 \text{ mm}\text{ PC\$30%}\text{ gsmin}(1).27 \text{ mm}\text{ PC\$30%}\text{ PC\$30%} P			<u> </u>	
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 - 25°           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@PCS30% Code33, 8mil/0.22 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         0 "C to 50 "C           Storage Temperature         50,000 hours           RELIABILITY         Life Time MTBF (calculated)         50,000 hours           Thermal Shock         High Temp.         60°C           Coy Imp.         20 "C <td>Barcodes Supported (2D)</td> <td colspan="2">Data Matrix, PDF 417, QR Code, Micro QR Code, Dot Code DISABLED BY DEFAULT: Aztec, Micro PDF 417, Han Xin Code, GM Code</td>	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		
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%65mil/0.127 mm           Resolution         3mil/0.076 mm@PCS90% Code39, smil/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         O°C to 50°C           Storage Temperature         0°C to 50°C           Storage Temperature         0°C to 70°C           Relative Humidity         20% to 95% (Non-condensing)           RELIABILITY         Life Time MTBF (calculated)         50,000 hours           Thermal Shock         40°C           High Temp.         60°C           Cycle Time         30 minutes for high temp./30 minut	ELECTRICAL			
Stand By (Typ.)   40mA±10%	Supply Voltage		DC+5V±5%	
Operation (Typ.)         380mA ±10%           PERFORMANCE         White light LED           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           Operating Temperature         0 °C to 50 °C           Storage Temperature         20° to 50° to 70° °C           Relative Humidity         20% to 95% (Non-condensing)           RELIABILITY         Life Time MTBF (calculated)         50,000 hours           MTBF (calculated)         50,000 hours           Thermal Shock         High Temp.         60° °C           Low Temp.         -20 °C	Current Draw			
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           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)           MTBF (calculated)         50,000 hours           Thermal Shock         40°C           We then provided the provide	Stand By (Typ.)	40mA ±10%		
Light Source 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 Reading Angle Test Conditions: Code 39, 10mil/0.25 mm, PCS90% Pritch Angle/Skew Tolerance Ambient Light Works in any lighting conditions from 0 to 100,000 lux Roll Good read beep  ENVIRONMENTAL Operating Temperature O°C to 50°C Storage Temperature O°C to 50°C Relative Humidity 20% to 95% (Non-condensing)  RELIABILITY Life Time MTBF (calculated) Temp. 60°C Cycle Time 30 minutes for high temp./30 minutes for low temp. Mechanical Shock 20006, 0.7ms, half sinus, 3axes	Operation (Typ.)	380mA ±10%		
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           Operating Temperature         0 °C to 50 °C           Storage Temperature         -20 °C to 70 °C           Relative Humidity         20% to 95% (Non-condensing)           RELIABILITY         Life Time Wiffs (calculated)           Thermal Shock         50,000 hours           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	PERFORMANCE			
Field of View  Horizontal – 55°, Vertical – 35° Scan Rate  60 fps (at full resolution)  Reading Distance  From 3 to 28 cm  Print Contrast Ratio  PC\$30%@5mil/0.127 mm  Resolution  3mil/0.076 mm@PC\$90% Code39, 8mil/0.27 mm, PC\$90% QRCode  Reading Angle  Test Conditions: Code 39, 10mil/0.25 mm, PC\$90%  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)  Thermal Shock  High Temp.  60°C  Cycle Time 30 minutes for high temp./30 minutes for low temp.  Mechanical Shock  2000G, 0.7ms, half sinus, 3axes	Light Source	White light LED		
Scan Rate   60 fps (at full resolution)	Sensor			
Reading Distance	Field of View	Horizontal – 55°, Vertical – 35°		
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)  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	Scan Rate			
Resolution  3mil/0.076 mm@PCS90% Code39, 8mil/0.2 mm@PCS90% QRCode  Reading Angle  Test Conditions: Code 39, 10mil/0.25 mm, PCS90%  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)  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	Reading Distance			
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) Thermal Shock High Temp. 60°C Low Temp20°C Cycle Time 30 minutes for high temp./30 minutes for low temp. Mechanical Shock 20006, 0.7ms, half sinus, 3axes	Print Contrast Ratio	PCS30%@5mil/0.127 mm		
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)  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	Resolution	3mil/0.076 mm@PCS90% Code39, 8mil/0.2 mm@PCS90% QRCode		
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)  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	Reading Angle	Test Conditions: Code 39, 10mil/0.25 mm, PCS90%		
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 MTBF (calculated) Thermal Shock High Temp. 60°C Low Temp20 °C Cycle Time 30 minutes for high temp./30 minutes for low temp. Mechanical Shock 2000G, 0.7ms, half sinus, 3axes	Pitch Angle/Skew Tolerance	5°~60° (±5°)		
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)  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	Ambient Light	Works in any lighting conditions from 0 to 100,000 lux		
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)  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	Roll	360°		
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.         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	Indicator	Good read beep		
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.         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	ENIVED ON MENTAL			
Storage Temperature  -20 °C to 70 °C  Relative Humidity  20% to 95% (Non-condensing)  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			0 °C to E0 °C	
Relative Humidity  20% to 95% (Non-condensing)  RELIABILITY  Life Time				
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				
Life Time MTBF (calculated)  Thermal Shock  High Temp. 60°C  Low Temp20 °C  Cycle Time 30 minutes for high temp./30 minutes for low temp.  Mechanical Shock 2000G, 0.7ms, half sinus, 3axes	- Total Talling	20% (	0 9370 (NOII-COIIdelisilig)	
MTBF (calculated)  Thermal Shock  High Temp. 60°C  Low Temp20 °C  Cycle Time 30 minutes for high temp./30 minutes for low temp.  Mechanical Shock 2000G, 0.7ms, half sinus, 3axes	RELIABILITY			
High Temp. 60°C  Low Temp20 °C  Cycle Time 30 minutes for high temp./30 minutes for low temp.  Mechanical Shock 2000G, 0.7ms, half sinus, 3axes		50,000 hours		
Low Temp20 °C  Cycle Time 30 minutes for high temp./30 minutes for low temp.  Mechanical Shock 2000G, 0.7ms, half sinus, 3axes	Thermal Shock			
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	2000G, 0.7ms, half sinus, 3axes		
	Vibration	8G r.m.s, from 10 to 500Hz, 2 hours per axis, 3 axes		



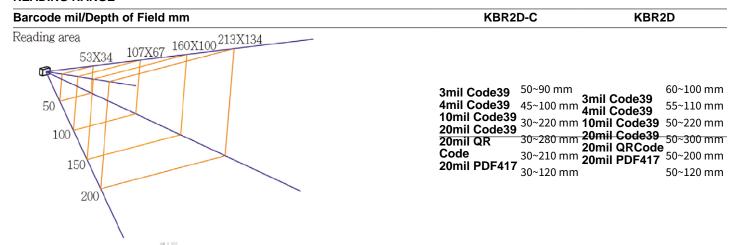




KBR2D-C KBR2D

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

9C3FH010000002 KIOSK BARCODE SCAN 1D/2D

KIOSK BARCODE SCAN 1/2D OPEN FRAME KBR2D

COVERED KBR2D-C

CUSTOM SPA - Via Berettine, 2 - 43010 Fontevivo PR - VAT: IT02498250345 - TEL: +39 0521 680111 - FAX: +39 0521 610701 - UNIQUE CODE: TI80WI0

The technical data on this website are not binding and may be changed without advanced notice. Last update: 04 September 2020





