





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.





Zapraszamy do kontaktu! Więcej informacji: www.kreski.pl







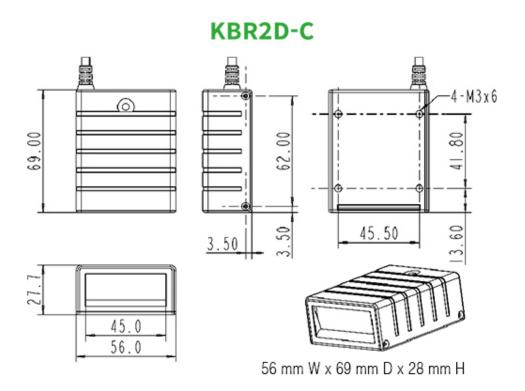




CHARACTERISTICS

- 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:





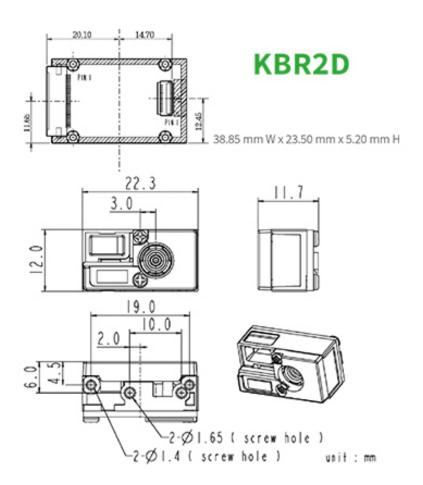














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TECHNICAL SHEET

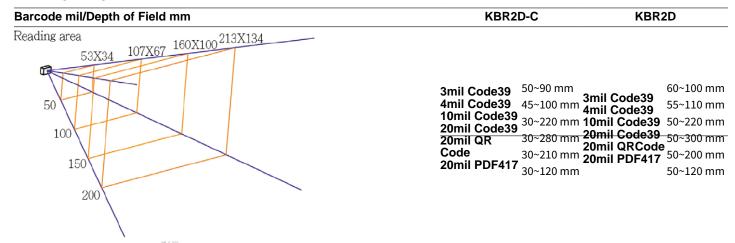
Mare Marce USB-HID(or Virtual COM port) R232/USB-HID(or Virtual COM port)		KBR2D-C	KBR2D	
Barcodes Supported (1D) UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, Code 39, Code 128, Inclustrial 25, Matrix 25, Codabar/NWT, Code 93, China Post, MSI/Plessey, Telepen, GS1 Databar Commid-directional, GS1 Databar Limited, GS1 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.) 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 Period Contrast Ratio PC330%@Smill/0.127 mm 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 Morks in any lighting conditions from 0 to 100,000 lux Roll Relative Humidity 20% to 95% (Non-condensing) RELIABILITY Life Time MBF (calculated) Thormal Shock High Temp. 60°C Cycle Time 30 minutes for high temp, 30 minutes for low temp. Mechanical Shock 2000, 0, 7ms, half sinus, 3aves	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, 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 (M) pixels Field of View Horizontal – 55°, Vertical – 35° Soan Rate 60fps (af full resolution) Reading Distance From 3 to 29 cm Print Contrast Ratio PCS30%@5mil/0.127 mm Resolution 3mil/0.076 mm@PCS30%@5mil/0.127 mm Resolution Ambient Light Works in any lighting conditions from 0 to 100,000 lux Roll Indicator Good read beep ENVIRONMENTAL Operating Temperature - 2-0 "C to 70 "C Storage Temperature - 2-0 "C to 70 "C Relative Humidity - 20% to 95% (Non-condensing) RELIABILITY Life Time MTBF (calculated) Therma. 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	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% Operation (Typ.) Sensor 1280 (H) x 800 (V) pixels Field of View Horizontal - 55°, Vertical - 35° Sean Rate 60 fps (at full resolution) Reading Distance From 31 28 cm Print Contrast Ratio PC\$30%@\$mil/0.27 mm Resolution Resolution Resolution Smil/0.076 mm@PC\$90% Code 39, 8mil/0.22 mm, PC\$90% Pitch Angle/Skew Tolerance Ambient Light Works in any lighting conditions from 0 to 100,0000 lux Roll Indicator Good read beep ENVIRONMENTAL Operating Temperature D "C to 50 "C Storage Temperature PC C to 50 "C Storage Temperature PC C C To To "C Relative Humidity S0,000 hours Thermal Shock Mechanical Shock 2000C, 0.7ms, half sinus, 3axes				
ELECTRICAL Supply Voltage DC+5v±5% Current Draw Stand By (Typ.) Qoperation (Typ.) SalomA±10% Departion (Typ.) Bensor 1280 (H) x800 (V) pixels Field of View Horizontal - 55°, Vertical - 35° Scan Rate Go fps (at full resolution) Reading Distance From 3 to 28 cm Print Contrast Ratio Resolution 3mil/0.076 mm@PC590% Code39, 8mil/0.2 mm@PC590% QRcode Reading Angle 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 360° Indicator Good read beep ENVIRONMENTAL Operating Temperature 0 °C to 50 °C Storage Temperature - 20 °C to 70 °C Relative Humidity RELIABILITY Life Time MTBF (calculated) Thermal Shock 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		
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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%@Smil/0.12 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 20°C 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 40°C to 50°C Cycle Ti	ELECTRICAL			
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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%@Smil/0.127 mm Resolution Reading Angle Test Conditions: Code 39, 10mil/0.25 mm, PCS90% Pitch Angle/Skew Tolerance Test Conditions: Code 39, 10mil/0.25 mm, PCS90% 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 MTSF (calculated) 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	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 MTBF (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	123	80 (H) x 800 (V) pixels	
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			
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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. 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	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. Low Temp. -20 °C Cycle Time 30 minutes for high temp./30 minutes for low temp. Mechanical Shock 2000G, 0.7ms, half sinus, 3axes	ENIVIDONIMENTA I			
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 50 °C	
Relative Humidity 20% to 95% (Non-condensing) RELIABILITY Life Time				
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				
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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.	60°C		
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		KE	KBR2D	
PHYSICAL				
Weight				
Reader	106 g (optical + bo	ard + case)	28 g (optical + board)	
USB cable	51 g	51 g -		
Material	Polycarbor	Polycarbonate -		
Dimension	56 mm W x 69 mm	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 1/2D OPEN

KIOSK BARCODE SCAN 1D/2D

FRAME KBR2D 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: 10 June 2021



Zapraszamy do kontaktu! Więcej informacji: www.kreski.pl







