



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.

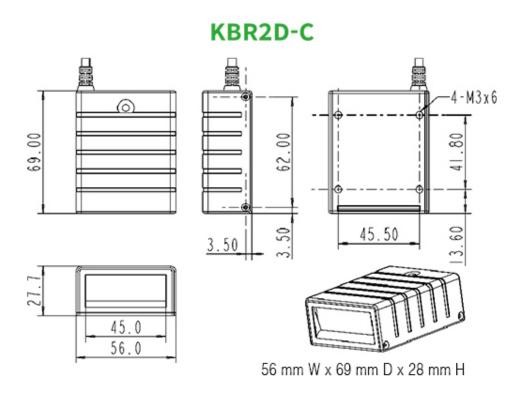




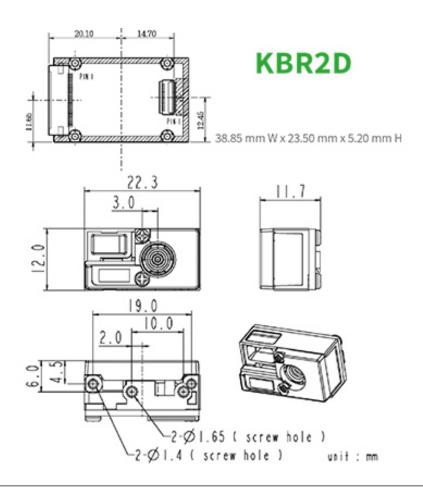
CHARACTERISTICS

- 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

	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 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%		
DEDEODMANOE			
PERFORMANCE Light Source	W		
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		Code39, 8mil/0.2 mm@PCS90% QRCode	
Reading Angle	Test Conditions: Co	ode 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	G	ood 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		



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

Barcode mil/Depth of Field mm	KBR2D-C	KBR2D
Reading area 160X100 213X134 50 100 200 200	10mil Code39 45~100 mm 10mil Code39 30~220 mm 20mil QR 30~280 mm	3mil Code39 4mil Code39 10mil Code39 20mil Code39 50~220 mm 20mil Code39 50~300 mm 50~200 mm 50~120 mm

Note: The test is under ambient light 700 $^{\sim}$ 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





9C3FH01000001 KIOSK BARCODE SCAN 1D/2D OPEN FRAME KBR2D **9C3FH01000002** 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.

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