

DENSO

FIXED TYPE 2D CODE SCANNER

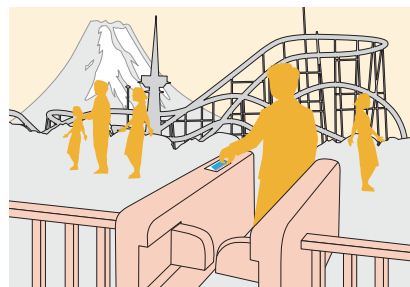
QB33
SERIES



Space-saving stationary fixed and built-in type scanner



As a kiosk terminal



For an entrance gate terminal

Scanning performance

Wide-field with small footprint

With its compact body and wide-angle lens, QB30 can be installed in a small space without needing to be a certain distance from the scanned object. It can reduce installation space when mounted on a kiosk terminal, allowing users to install it anywhere they wish.

*It is recommended to use a low-reflection coating plate in case you wish to install a plate on the scanning side.



Advanced reading performance scans even low quality codes

Scan partially damaged and cracked low quality 2D code and Barcode with scanning algorithm as the developer of QR code.



Full functions

Security measures with SQRC®

SQRC, a QR Code that can hold both "public data" and "private data", is ideal for applications where you want to prevent information leaks such as personal information.

Internal environment performance

Safety function which blocks the intrusion of dirt and water drop

Materialized IP54, the protection rating of IEC. Shut out ingress of dust at the production line or rainwater at a semi-outdoor. It can be installed safely.

What is IP54?

Dust protection:
Dust-proof type
Protects against ingress of dust



Water protection:
JIS splash proof type
Protects against splashing water



Easy setup function adopted

"QB setting," which is a software application enabling users to easily set up scanning conditions and data formats according to the scanned objects, is provided free. It simplifies the troublesome setup process, reducing the user's burden at the time of introduction.

Operating temperature -20 to 50°C

It supports operating temperature of -20 to 50°C and can be installed safely at a semi-outdoor entrance gate.

QB33 series specification

Type			QB33-SR (RS-232C model)		QB33-SU (USB model)	
Scanner unit	Supported code	2D code	QRcode, Micro QRcode, SQRC, iQR, DataMatrix(ECC200), PDF417, MicroPDF417, Maxicode, Aztec, GS1 Composite			
		Barcode	EAN-13/8(JAN-13/8), UPC-A/E, UPC/EAN with add-on, Interleaved 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128, GS1 Databar			
	Minimum Resolution	2D code	0.20mm			
		Barcode	0.15mm			
	Scanning reference position		40 mm			
	Scanning range*1		62 mm × 39mm			
	Lighting		White LED			
	Scan Confirmation	LED	1 color (Blue, Green, Red)			
Buzzer		3-step volume control, 3-step tone control				
Interface	Interface		RS-232C (Mini D-sub15PIN Female) *2		USB	
	Cable Length		0.5m		2m	
Power	Power Voltage		5V			
	Power Supply		Supply from the host device			
Auxiliary Function	Button		1 Button (Magic key)			
Environment Performance	Protective class		IP54			
	Operating Temperature		-20 to 50 degrees			
Color (front)			White			
Weight			Approx. 120g		Approx.150g	

*1 This value at the standard scanning distance. *2 When the RS-232C model is connected to an external device by using the D-sub9PIN, a D15-to-D9S conversion cable and an AC adaptor are required.

Product constituents

Main body set

- Operation guide
- User's manuale [PDF](#)

Option

- RS-232C D15P-to-D9S conversion cable* (CBQ3-RS2000/15-9-01 (2.0 m))
- AC adapter AD2-1005/3000*

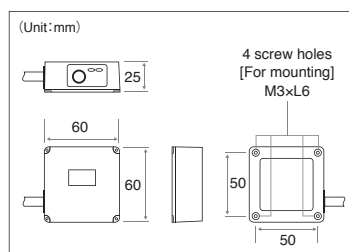
* Required when the RS-232C model is connected to an external device by using the D-sub9PIN.

[PDF](#) You can download the items with this mark from our website for free.

Software

- USB driver [PDF](#)
[Active USB-COM port driver]
- Setup software [PDF](#)
[QB Setting]
- Keyboard emulation software [PDF](#)
[QR_kbif]
- SQRC setup software
[SQRC Setting]

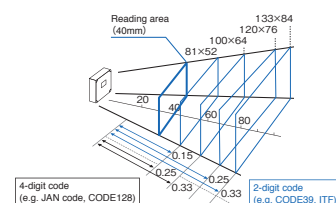
Dimensions



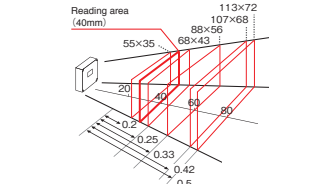
Scanning range and scanning depth

(Unit:mm)

QB33 [Barcode]



QB33 [2D code]



* When a code to be scanned is larger than the scanner's field of vision, the code may be unable to be read.

Caution for safe use

- Please carefully read the user's manual before using this product

※QR Code and SQRC is registered trademark of DENSO WAVE INCORPORATED.

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