DENSO ADC
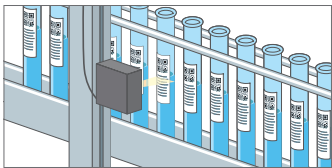
[STATIONARY 2-D SCANNER]
[QB30]

‣ Plug and play solution: setting new standards for high-speed scanning, compact size and rugged construction

SCANNING PERFORMANCE
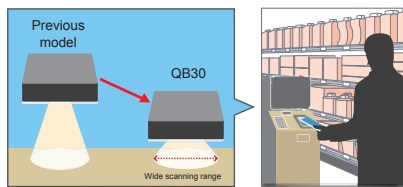
High-speed scanning + moving-object scanning

The QB30 not only scans twice as fast as the previous QB20 model, it can also scan moving objects, such as products or containers in a manufacturing line, medical inspection process, etc.

Wide scanning range and compact size—fits in small spaces

The QB30's compact body and wide-angle lens enable it to be installed in a small space, close to its scanning targets. This is especially advantageous when mounting on a kiosk or in another location where space is limited.

Can be installed in a compact space.

Batch scanning of multiple codes

Batch scanning of up to eight codes of two different types at once can significantly increase productivity.

White LED—reads codes of all colors

A white LED allows the QB30 to read codes of all colors. In addition, the lighting unit has a white face, to minimize glare.

Lighting unit

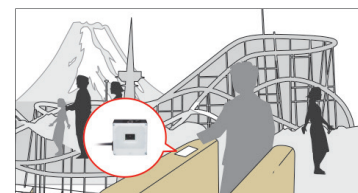## ROBUST ENVIRONMENTAL PERFORMANCE

Protected against dust and water

What is **I P 5 4**

Dust protection: Dustproof

Water protection: Splashproof

Protects against ingress of dust

Protects against splashing water

An IP54 protection level resists dust and water, allowing the QB30 to function in a wide variety of environments.

Wide operating temperature range

The QB30's wide operating temperature range of -20 to 50 ºC enables it to be used in semi-outdoor applications such as entrance gates.

QB30 SPECIFICATIONS

Model			QB30-SR (RS-232C model)	QB30-SU (USB model)
Scanner unit	Readable codes	1-D codes	EAN-13/-8 (JAN-13/-8), UPC-A/E, UPC/EAN (add-on), Interleaved 2 of 5, Codabar (NW-7), Code 39, Code 93, Code 128, GS1-128, GS 1 DataBar (RSS)	
		2-D codes	QR Code®, micro QR Code, SQRC, iQR, PDF417, micro PDF417, MaxiCode, Data Matrix (ECC 200), Aztec, GS1 DataBar Composite (EAN.UCC Composite)	
	Minimum resolution	1-D codes	0.15 mm	
		2-D codes	0.20 mm	
	Code movement speed		800 mm/s[1]	-
	Scanning range		62 x 39 mm (at 40 mm scanning distance)	
	Lighting		White LED	
	Scan confirmation	LED	One (blue, green, red)	
		Buzzer	3-step volume control, 3-step tone control	
Interface	Interface		RS-232C (15-pin female mini D-sub)	USB
	Cable length		0.5 m	2 m
External input/ output	Input		Trigger reset	-
	Output		Scanning OK/NG, contrast OK/NG, external-lighting sync signal	-
Power unit	Rated voltage		5 V	
	Power		Supplied by system	
Supplemental functions	Operating button		1 button (Magic Key)	
	Batch reading of multiple codes		Max. 8	
	Image storage		Max. 10	
Environmental performance	Operating temperature		-4 to 122 ºF (-20 to 50 ºC)	
	Protection rating		IP54	
Weight			Approx. 4.23 oz (120 g)	Approx. 5.29 oz (150 g)

1. Requires an outside trigger; reading a Version 5 QR Code with a cell size of 0.33 mm.
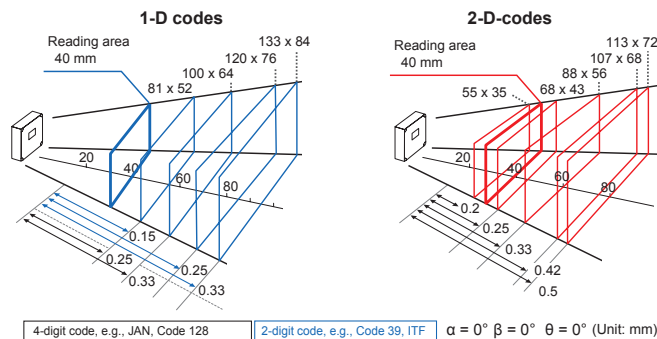
INCLUDED ITEMS

Literature
- ▣ Operation guide
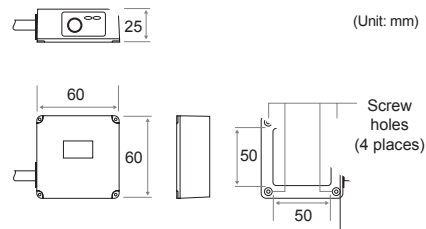- ᴴᴾ⬇ User's manual

Software
- ᴴᴾ⬇ USB driver
  [Active USB-COM port-driver]
- ᴴᴾ⬇ Setup software
  [QB Setting]
- ᴴᴾ⬇ Keyboard emulation software
  [QR_kbif.3.0]
- ▣ SQRC setup software
  [SQRC Setting]

ᴴᴾ⬇ **Items with this symbol are available from www.denso-adc. com free of charge.**

SCANNING RANGE AND DEPTH

1-D codes

Reading area 40 mm — 81 x 52, 100 x 64, 120 x 76, 133 x 84

4-digit code, e.g., JAN, Code 128 | 2-digit code, e.g., Code 39, ITF

2-D-codes

Reading area 40 mm — 55 x 35, 68 x 43, 88 x 56, 107 x 68, 113 x 72

α = 0° β = 0° θ = 0° (Unit: mm)

DIMENSIONS

(Unit: mm)

25

60

60

Screw holes (4 places)

50

50

QB30 Web page

DENSO
INVENTOR OF THE QR CODE®

▮▮▮ADC