

**SCANS  
SMARTPHONE DISPLAYS**



**QK30** SERIES



**1D Barcode model**  
QK30-U  
QK31-U  
QK31-R



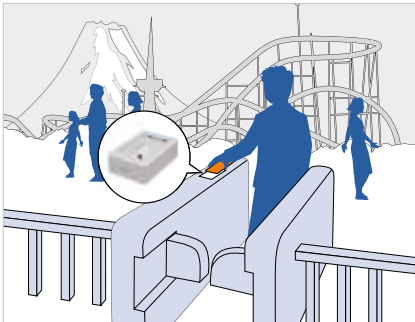
**2D Code model**  
QK30-U  
QK31-U  
QK31-R

Enables a wide range of applications, from connection to point-of-sale terminals to incorporation in multi-media terminals and entrance gates.

Contributes to effectively attracting customers and promoting sales using mobile coupons, mobile membership cards and mobile tickets.



## Scan performance



Mobile ticket



Mobile coupon



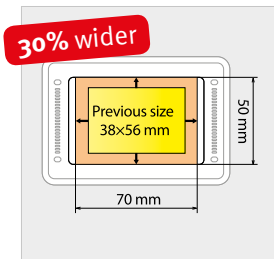
Mobile membership card



### Perfect fit for scanning mobile QR codes and bar codes

Enables high-speed scanning of QR codes displayed on LCD screens.  
Excellent scanning performance for codes printed on paper, too.

\* If screen protector is affixed to the LCD screen, code scanning performance may be affected.

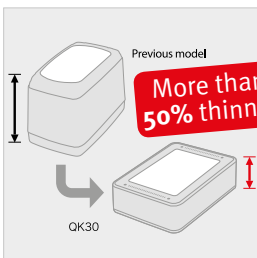


### Can scan codes displayed on large-screen smartphones

30% increase in scanning area from the previous model enables easier scanning.

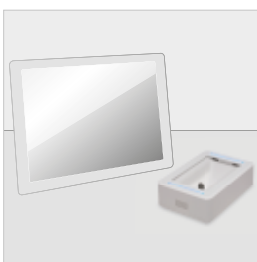
\* When scanning codes displayed on an LCD screen

## User friendly



### Compact design

More than 50% thickness reduction compared to the previous model further enhances mountability.



### Stylish design

Sophisticated design suitable for use with smart devices.



## QK30 series specifications

Type			Stationary type		Built-in type				
Model			QK30-U		QK31-U		QK31-R		
Scanner	Readable codes	2D Code	QR code, micro QR code, SQRC, iQRcode, PDF417, microPDF, DataMatrix, Aztec, GS1 DataBar Composite (EAN.UCC Composite), MaxiCode						
		Barcode	EAN-13/-8 (JAN-13/-8), UPC-A/-E, UPC/EAN (with add-on), Interleaved 2 of 5 (ITF), Standard 2 of 5 (STF), CODABAR (NW-7), CODE39, CODE93, CODE128, GS1-128 (EAN-128), GS1 DataBar (RSS)						
	Minimum resolution	2D Code	0.25 mm						
		Barcode	0.18 mm						
	Scanning area			70 mm×50 mm					
	Focusing point			7 mm <sup>1</sup>					
	Scan confirmation			LED in three colors: Blue/Red/Green, speaker		–			
Communication interface	Method		USB 1.1-compliant (COM, HID) <sup>2</sup>				RS-232C		
	Connector		USB connector: type A (with an integrated cable)		USB connector: type B (with a detachable cable)		Mini-DIN connector (with a detachable cable)		
	Cable length		1.5 m		1.4 m (Sold separately)		1.5 m (Sold separately)		
Power			Supply from host device <sup>3</sup>						
Environment requirements	Security level		IPX2		–				
	Operating temperature		-5~50°C						
	Operating humidity		10-90% RH (non-condensing/non-freezing)						
Weight			250 g (incl. cable weight)		170 g (excl. cable weight)				



1: Height from dust-proof plate

2: Two systems are supported: USB keyboard interface and USB-COM interface. When using in USB-COM interface mode, please download the USB driver from the DENSO WAVE website (free of charge).

3: Please check the connection beforehand because this type of connection may not be possible depending on the model of the PC or USB hub.

## Product configuration

### Software

- Driver  (Active USB-COM port driver)
- Setting Software  (Scanner Setting 2D)

### Option

- USB cable for QK31-U (1.4 m)
- RS-232C cable for QK31-R (1.5 m)

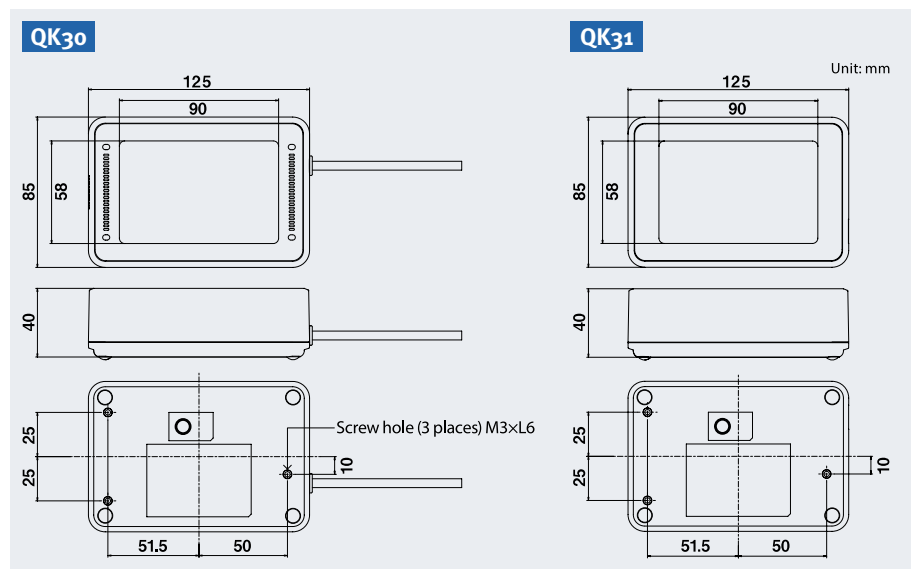
### To use this product safely

Before using this product, please read its User's Manual thoroughly for correct use.



Items with this mark are available from the company's homepage (Qbdirect) free of charge.

## Dimensions



### Toyota Tsusho ID Systems GmbH

Immermannstraße 65 B  
40210 Düsseldorf  
Phone +49 211 88252-450  
Fax +49 211 88252-502  
info@ttid-systems.com

[www.ttid-systems.com](http://www.ttid-systems.com)

