

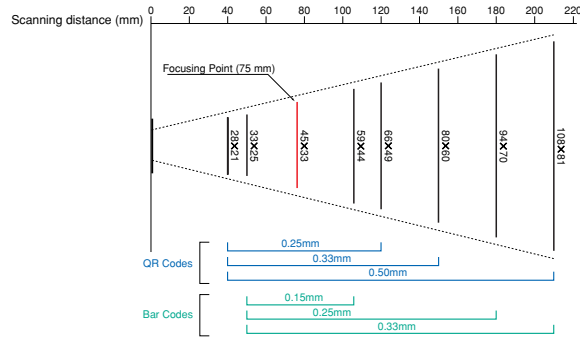
Specifications

		QS20H-I (Standard)		QS20H-HD (High-Density)	
		QS20H-I-R (RS-232C Type)	QS20H-I-U (USB Type)*1	QS20H-HD-R (RS-232C Type)	QS20H-HD-U (USB Type)*1
Scanning Performance	Scannable codes	QR Codes, micro QR Codes, DataMatrix (ECC200), PDF417, MaxiCode			
	2-dimensional codes	QR Codes, micro QR Codes, DataMatrix (ECC200), PDF417, MaxiCode			
	Bar codes	EAN-13/8, UPC-A/E, Interleaved 2 of 5, CODABAR (NW-7), CODE 39, CODE 128 (EAN-128)			
	Resolution	0.25 mm		0.167 mm	
	2-dimensional codes	0.15 mm		0.125 mm	
	Bar codes			No	
Image capture function		Yes	No		
Focusing Point		75 mm		50 mm	
Printer			Triple Printer		
PCS Value			0.45 Min.		
Skew Angle			360 degrees		
Elevation and Inclination			±35 degrees		
Interface	System	RS-232C	USB 1.1 Compliant	RS-232C	USB 1.1 Compliant
	Speed	115.2 kbps Max.	-	115.2 kbps Max.	-
	Connector	D-sub, 9-pin (female)	USB Type A	D-sub, 9-pin (female)	USB Type A
Power source	Power supply	AC Adapter	Supply from connected device	AC Adapter	Supply from connected device
Environments	Operating temperature range	0 - 40°C			
	Operating humidity range	10 - 85% RH (without dew condensation)			
	Ambience	20 - 10,000 lux (Under daylight or fluorescent light)			
Weight**	Approx. 135 g				

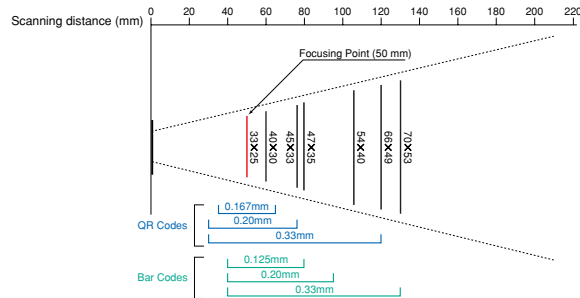
*1: Connection may not be possible depending on the type of PC or USB-HUB being used. Prior confirmation of connection compatibility is required.
 **2: Excluding cable.

Scanning Performance

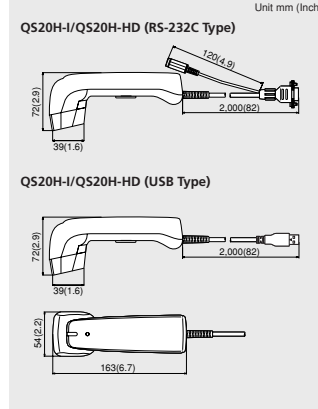
QS20H-I



QS20H-HD



Dimensions



Accompanying accessories

- QS20H-I-R/QS20H-HD-R User's manual
- QS20H-I-U/QS20H-HD-U USB Driver (CD-ROM), User's manual

Safety instructions
 Please read the user's manual carefully before use.

Appearance and specifications are subject to change without notice. Information in this catalog is current as of March 2003.

For further details

Manufacturer: DENSO WAVE INCORPORATED
 Printed in Japan on 100%-recycled paper

July 2003
 PRINTED IN JAPAN
 1302B-2

**2D CODE SCANNER
 QS20H**



Suitable for a wide range of applications

Compact size and lightweight, the QS20H achieves superior functionality

Outstanding readability for all types of two-dimensional codes, including bar codes and QR codes

Superior Reading Speed

DENSO has utilized advanced reading technology to develop the QS20H to provide an advanced solution for 2D codes

Stable Reading of Inferior Labels



Thanks to advanced image processing technology, the QS20H reads dirty and damaged codes correctly every time.

Reading of Even Micro 2D Code (QS20H-HD)



With its high-resolution of 0.167mm, QS20H-HD is the perfect solution for reading micro 2D codes.

Capable of Reading All 2D Codes and Bar Codes

QS20H series is omni directional, making it a highly versatile solution for all your 2D reading requirements.

Stable Reading in Bright or Dark Operating Conditions

Using a scan algorithm function, the QS20H ensures superior reading in all light conditions.

Superior Features

Easy-targeting Triple Pointer



Triple Pointer indicates the centre of the scanning area as well as the readable code size, making targeting and reading easier.

Slim body and compact design, QS20H weighs a mere 135g

Built-in Image Capture Function (QS20H-I)



The extra application available in the QS20H-I series is the built-in image capture function, which enables it to capture data images such as name stamps and hand written signatures

USB Interface

USB model is also available in addition to the conventional RS-232C interface

Application Example



Order Receipt and Dispatch

By converting order receipt and dispatch form content to QR code, implementing a low-cost order processing system that does not require a network is possible.



Process Management

By converting production instruction content to QR code, implementing an accurate and efficient process management system is possible.



Shipping & Receiving Management

By converting ID tags, delivery slips and details of mixed deliveries to QR code, speedy shipping and receiving management can be achieved.

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