

BHT-1100 Specifications

Type	Model w/camera BHT-1171BWB-CE	Model w/o camera BHT-1170BWB-CE
OS	Windows Embedded CE6.0 R3	
CPU	32bit RISC 800MHz	
Memory	RAM	512MB
	Flash ROM	2.0GB
Display	Number of dots *1	320x480 dots (3.5" HVGA)
	Backlight	Liquid crystal dot matrix display
Scanner	Scanning system	Advanced Scan Plus (CCD)
	Readable codes	EAN-13/8 (JAN-13/-8) UPC-A/-E, UPC/EAN (With add-on), Interleaved 2 of 5, Standard 2 of 5, CODABAR(NW-7), CODE39, CODE93, CODE128, GS1-128(EAN-128), GS1 DataBar(RSS)
	Scanning distance	640mm(resolution 0.33mm) 1300mm(resolution 1.0mm)
	Minimum resolution	0.125mm
	Scan confirmation	Confirmation LED (3 colors: blue, red, green), speaker, vibrator
	Keypad	Number of keys 36 keys (excluding power button) + 3 trigger keys
Data transfer	Wireless Standard compliance	IEEE802.11b/g/n compliant
	I/F	Frequency 2.4GHz
	Transmission distance *2	Indoor: 150m, Outdoor: 300m
	Standard, Number of channels *2	IEEE802.11b: 11/5.5/2/1Mbps, IEEE802.11g: 54/48/36/24/18/12/9/6Mbps IEEE802.11n: 65/58.5/52/39/26/19.5/13/6.5Mbps
Security	WEP40, 128, WPA-PSK(TKIP, AES), WPA2-PSK(TKIP, AES), WPA-1x(TKIP, AES/EAP-TLS, PEAP), WPA2-1x(TKIP, AES/EAP-TLS, PEAP), 802.1x(EAP-TLS, PEAP)	
Bluetooth	Bluetooth Ver 2.0 + EDR Class 2	
Cradle I/F	RS-232C/USB client	
Card slot	microSDHC x 1	
Camera	Resolution	3.2Mpx(1.3 megapixels)
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Power supply	Main battery	Lithium-ion battery
	Operation hours	Approx. 17 hours (standard battery)/Approx. 25 hours (large capacity battery) *3
Additional features	Speaker, LED, vibrator, microSDHC	
Environmental requirements	Operating temperature	-20 ~ 50°C *4
	Protection level	IP54
	Drop resistance *5	1.5m drop on concrete floor, 10 times each on all 6 sides (total 60 times)
Weight	380g	375g

*1: The LCD panel is manufactured using high precision technology. Number of effective pixels is more than 99.99%, but please understand that less than 0.01% of the pixels may be missing or less lit. *2: Transmission distance and speed are theoretical values and may differ according to actual usage environments. *3: At the ratio of scanning/wireless transmission: screen transition:stand-by=1:1:1:20, wireless stand-by (power save on), and LCD backlight low. Featured values are for reference at room temperature, and actual operating hours may vary according to the usage environment. *4: 0-40°C when charging. *5: Experimental value at room temperature using standard type battery and is not guaranteed.

Accessories (sold separately)

- Transmission unit Cradle for data transmission between BHT and higher-end devices
 - CU-1133 (RS-232C/USB transmission+main unit charging+backup battery charging)
 - CU-1111 (Ethernet transmission+main unit charging+backup battery charging)



	CU-1133	CU-1111
Transmission method	RS-232C/USB2.0 Full speed compliant	Ethernet (100BASE-TX)
Charging time (main unit)	Backup battery: Approx. 3 hours, large capacity battery: approx. 4.5 hours	
Pre-charge	Backup battery: Approx. 3 hours, large capacity battery: approx. 4.5 hours	
Size	133(D) x 94(W) x 111(H)	
Power supply	AC adapter (AD3-1012/3000/02)	

Battery

Backup batteries for BHT

- BT-110LA (Standard type: 2300mAh/battery only)
- BT-110LA-C (Standard type: 2300mAh/battery+battery cap)
- BT-110L (large capacity type: 3450mAh/battery only)
- BT-110L-C (Large capacity type: 3450mAh/battery+battery cap)

Direct cable

Cables directly connecting BHT to higher end devices

- RS-232C type
- USB type

Soft case, etc.

- SCBHT-1100 (Soft case for BHT-1100)
- WHBHT-1100 (Waist case for BHT-1100)

Warranty

Denso Wave offers 3 types of 'paid maintenance services' for the convenience of our customers.

※ Please visit our website for details.

For your safety

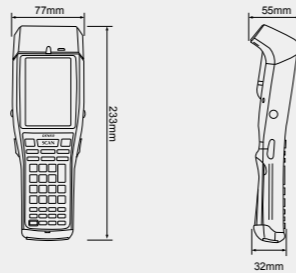
- Carefully read the instruction manual before operation and always use the device properly.

- Microsoft, Windows are registered trademarks or trademarks of Microsoft Corporation of the U.S. and other countries.

- The appearance, specifications, and other details are subject to change without notice for improvement purposes.
- The data in this catalog are current as of January 2012.

Dimensions

Unit: mm(all measurements are for reference only)



parts

- Hand belt
- Stylus pen
- Operation guide
- User manual

※ Battery and battery caps are not included.

Software

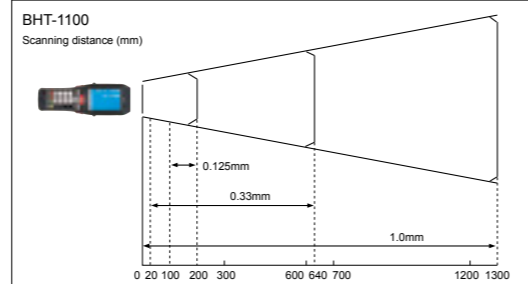
- Windows® CE Software Development Kit (SDK) specifically for BHT *1
- Keyboard interface software [kbifCE] *2

※1: This software can be downloaded free of charge from the website available to customers who have purchased a Windows version of BHT.

※2: This software has been pre-installed on your system.

● Items noted with this mark are available for free downloads at our website (QBDirect).

Reading and viewing distance



BHT-1100

Model w/camera BHT-1171BWB-CE
Model w/o camera BHT-1170BWB-CE



Can read and recognize max 1,300mm in depth!

Easy grip and large keyboard for easy handling!

Improved work efficiency with IEEE802.11n compliant high-speed wireless transmission!



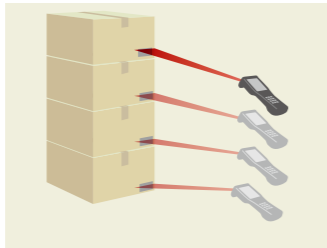
Scan performance

Even blots or smears can't stand in the way of scanning with the new scan engine "Advanced Scan Plus" that matches performance of laser type scanners.

Advanced Scan Plus Advantage ①

High-speed scanning

- The unique CCD method "Advanced Scan" has been evolved, achieving approximately three times the speed of laser type scanners.
- Stress-less quick scanning of continuous barcodes during inspection leads to reduced operation time.



Advanced Scan Plus Advantage ②

Maximum scanning depth of 1,300mm

- From scanning at close to far distances, can scan up to 1,300mm away.

※ JAN-13 (bar width 0.33mm) = Approx. 640mm
ITF (bar width 1.0mm) = Approx. 1,300mm

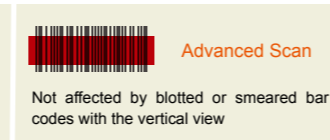
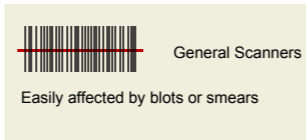
- From floor to ceiling, easily scan without having to change positions.



Advanced Scan Plus Advantage ③

Strong against blots or smears

- Quick and accurate scanning even when barcodes are partially not visible or dirty by reading the barcode in 2-dimensions rather than as lines. B120
- In addition to barcodes in poor condition, high density and wide barcodes can also be read.



Design

Strictly strives for easy grip and operational convenience, always supporting repetitive tasks.

Large screen of PDA-class and slim design



- The 3.5 inch large screen and easy grip allow for high operability. In addition, frequently used keys such as the numeric keypad/ENT/SCAN are centrally located at the top to minimize finger movement, reducing fatigue.

Large keyboard is also easy to use with gloves.



Tilt angle was based on thorough studies of actual usage.



- The angle was set based on studies of the direction in operation, minimizing screen glare in bright locations and maintaining high visibility.

Highly stable grip



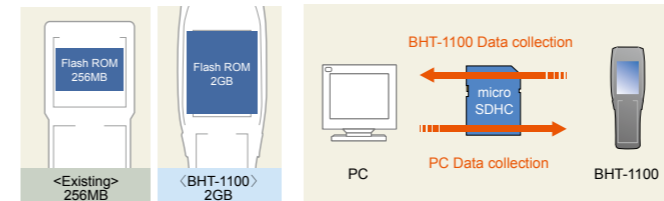
- Irregular surface on the back to ensure a sense of stability when held.
- Further increased stability with the hand belt.
- Stable operation with both the keys and stylus.

Latest features

Equipped with the latest OS

- Equipped with the latest version of Windows®CE6.0R3, delivering significantly increased processing speeds compared to conventional machines.

Flash ROM 2GB, MicroSDHC compatible



- Flash ROM capacity significantly increased to 2GB. Work without worrying about memory.
- Also as external memory, the high-speed reading MicroSDHC is supported, allowing smooth data transfer within the BHT-1100 and from external data.

Data backup using the new "BHT Backup"

- "BHT Backup" always lets you return to your routine task smoothly, even when the battery fails, by backing up data to the internal Flash memory or MicroSDHC.

1 terminal, 2 roles. Camera attached

※BHT-1171 BWB-CE only



- In addition to barcode scanning, take photos of defective goods during inspection on the spot without having to take out an additional digital camera.

Durability

Durability throughout the terminal



- Large elastic is attached to the tip of the barcode scanner to prevent damage upon large falls, securing high durability.
- Durable keypad where the key tops or letters don't come off.
- Proven durability, clearing drop resistance tests of 60 times at 1.5m in height. Allows for long use with peace of mind.

Global Support

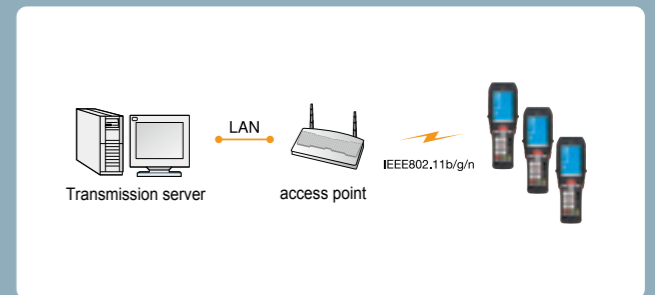
Denso Group support, even abroad



- The global Denso Group network allows for full local maintenance and support, both domestically or abroad.
- Quick response in case repair is needed.

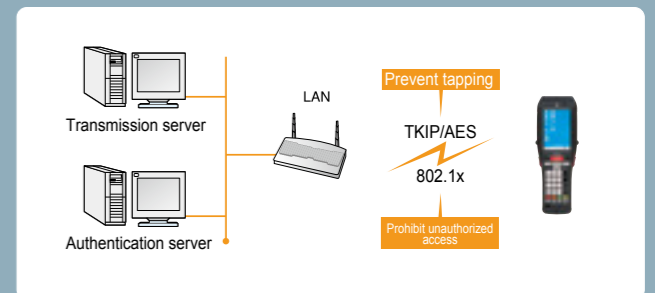
Transmission

Supports IEEE802.11n



- In addition to IEEE802.11b/g, boasts high speeds of up to 65 Mbps, and supports IEEE802.11n as well.
- Improved transmission response with the support of IEEE802.11n.

Wireless LAN security



- Loaded with the highly reliable security technology, "WPA/WPA2" to prevent unauthorized access or theft.

Bluetooth® transmission



- Built-in Bluetooth Ver. 2.0. Wireless communication possible with portable printer, PC, mobile phone, etc.

Development tool

Compatible with various development tools

- Microsoft Visual Studio 2008
 - Microsoft Visual C++^{※1}
 - Microsoft Visual Basic^{※1※2}
 - Microsoft Visual C#^{※1※2}
- Microsoft Visual Studio 2005
 - Microsoft Visual C++^{※1}
 - Microsoft Visual Basic^{※1※2}
 - Microsoft Visual C#^{※1※2}

※1: Development of applications using BHT specific features requires the library/class library included in the BHT specific Software Development Kit (SDK), which can be downloaded for free at our website (QBdirect).

※2: The BHT specific class library is compatible with the following versions:
- Microsoft .NET Compact Framework 2.0/3.5

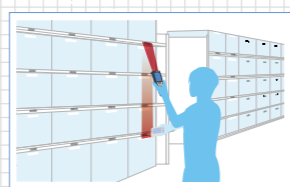
Where can BHT-1100 be useful?

Picking in the backyard.



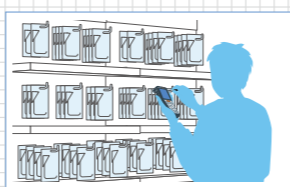
With the high-resolution, 3.5 inch large screen display, information on the screen is smooth and eyes don't fatigue even after long terms of use.

Storage inventory management



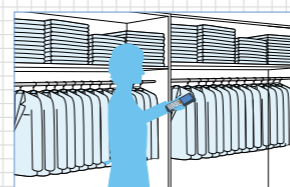
Even with stock shelved from the floor to ceiling, scan info on the spot without the hassle of stepladders, and shorten the time required for operation.

Inspection within the store



The large screen which allows excellent operability with much of the information necessary on one screen, reduce the time required for inspection despite masses of products.

Ordering within the store



With the wide coverage area and stable transmission speed of wireless both on-site or in large stores, orders can be made and inventor+B207y managed stress-free.