DENSO
DENSO WAVE

MOBILE COMPUTER
BHT-M70
SERIES

Driven by quality.

The Formula 1
among scanners.

DENSO
BHT-M70

Accelerate your business:
The BHT-M70.

Turbo scanning. With the most powerful scan engine since DENSO began.

Same-day delivery, stocktake in real time, high-speed tracking along the supply chain. In trade and logistics, knowledge is everything. And those, who know more faster, take pole position.

BHT-M70 ramps your business up to turbo speeds. The Android device is equipped with the most powerful scan engine by DENSO WAVE and scans up to 30 labels per second. The Formula 1 among Auto ID terminals. By DENSO WAVE. Driven by Quality.
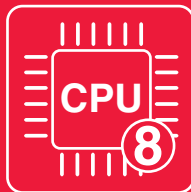
EXCELLENT OVERVIEW:

With the 4.0″ screen everything that matters is in sight.

POWERFUL:

Octa-Core 2.2 GHz (Qualcomm SMD 660) for efficient processes without interruptions.

TOUGH:

Display with crack-resistent Asahi Dragontrail™ Pro glass fitted as a standard - one of the best in the industry.

ERGONOMIC:

The ergonomically shaped handle fits perfectly into the user's hands.

UP-TO-DATE:

Running Android™ 10

For fast movers in retail, logistics, and field service:
Applications.

BHT-M70 increases your speed, **because there is no time to lose in business. I**n retail: Inventory processes are shortened significantly – which reduces costs. In logistics and warehousing: Stocktake on the shelves? Works reliably at up to 1.5 m distance: Safety first: first in first out. In field service: Reading metering devices and planning routes at the same time? The BHT-M70 offers plenty of clever features like navigation via app and GPS.

Our latest generation of smart Auto ID technology.

These are just a few examples of its wide range of applications.

ORGANIZE LOGISTICS

Scan and locate your deliveries in real time using wireless LAN* – for tracking and tracing and improved route planning.

OPTIMISE FIELD SERVICE

Record the process status and progress immediately on site and communicate with head office whenever you need to – via wireless LAN*.

PROFESSIONALISE RETAIL

Whether it's for warehousing, ordering or sales management, collect data with precision – even if codes are damaged.

* depending on model

Keeps the pace. No matter how unfavourable the conditions: The technical highlights.
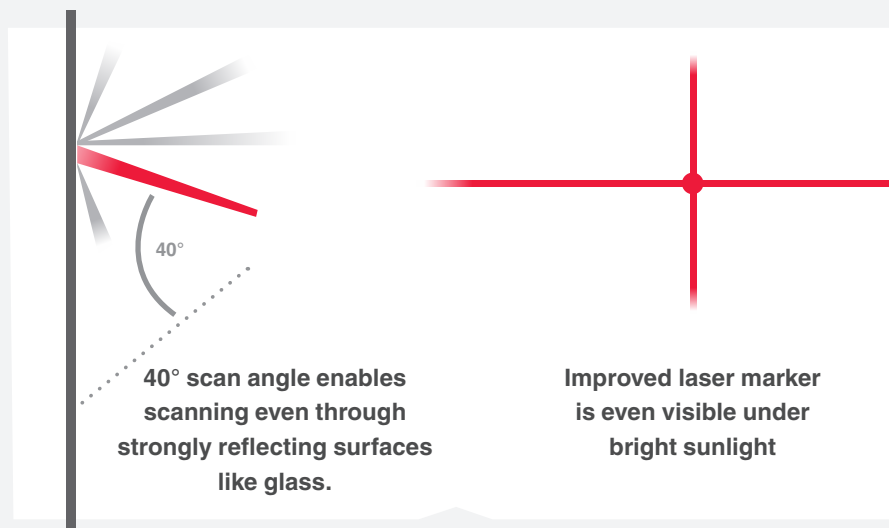
BHT-M70 is the next generation of DENSO WAVE Auto ID technology. High-speed scanning in race mode. Perfect when things get to extremes.

Bad visibility? No problem!

There's no stopping the BHT-M70. Thanks to latest decode engine technology and a high-resolution sensor.

| Smeared over. | Poorly printed. | Cracked. | Close to other objects. | On metallic surfaces. |

Superior scanning range

		Reading distance (mm)
ITF 1 mm	Conventional Terminal	
	BHT-M70	
EAN-13 0.33 mm	Conventional Terminal	
	BHT-M70	
QR 0.25 mm	Conventional Terminal	
	BHT-M70	

Reading distance (mm): 0 — 500 — 1000 — 1500

40°

40° scan angle enables scanning even through strongly reflecting surfaces like glass.

Improved laser marker is even visible under bright sunlight

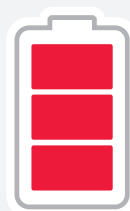# All crash tests passed with flying colours. DENSO WAVE quality at its best.

Anyone, who knows DENSO WAVE will agree: When we come up with an innovation, then its technology is beyond sophisticated. The BHT-M70 has passed each and every quality test without issue. And these are considered among the most stringent in the industry. **Pushing the envelope when it comes to everyday challenges.**

3 YEAR warranty

Battery life
perfect for long working hours.

Works at extreme temperatures from **-20° to +50° Celsius.**

IP67-certified
protection against water and dust.

Touchscreen easy to use
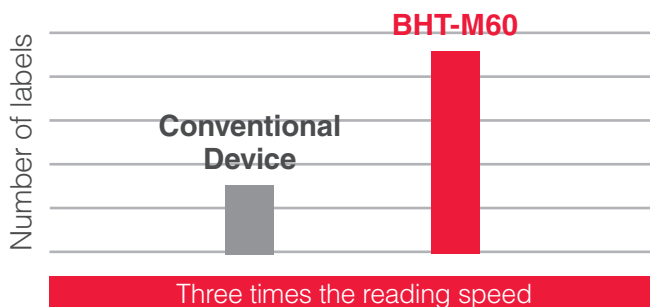with wet fingers, gloves or a pen.

2.50 metres

Survived umpteen fall tests
from heights of up to 2.5 m.

SCANS QUICKLY AND EFFORTLESSLY THANKS TO ADVANCED TECHNOLOGY FROM DENSO.

It is no secret anymore that mobile data capture devices are a much faster option for processes like goods receipts or stock takings than the pen and paper method. The BHT-M60 accelerates those processes even more: thanks to a new decode engine combined with a high performance CPU, which leads to three times faster scannings than with conventional readers.

Superior reading speed.
Stress-less, continuous scanning.

Number of labels

BHT-M60

Conventional Device

Three times the reading speed

SPECIFICATIONS

Model	BHT-M70-QWG	BHT-M70-QW
OS	Android™ 10	
CPU	Qualcomm® SDM660 64 bit 2.20 GHz (Octa-Core)	
Memory RAM	4 GB	
Flash ROM	64 GB	
Display Screen size & resolution *1	4.0 inch WVGA (480×800)	
Display device	Dot matrix liquid crystal display (colour)	
Backlight	White LED	
Reader Reading method	Area sensor	
2D code	QR Code, Micro QR Code, SQRC®, PDF417, Micro PDF417, Maxi Code, Data Matrix (ECC200) und GS1 Composite	
Supported code / Barcode	EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (Add-on eingebunden), Interleaved 2 von 5, Codabar (NW-7), CODE39, CODE93, CODE128, GS1-128 (EAN-128), Standard 2 von 5 (STF) und GS1 DataBar(RSS)	
OCR *2	Supported	
Minimum resolution 2D code	0.127 mm	
Barcode	0.076 mm	
Marker	Cross guide marker	
Reading confirmation	Blue LED, speaker, and vibration	
Keys Number of keys	27 keys (including the power key), cursor keys, and 3 trigger keys	
Touch Panel	Asahi Dragontrail™ Pro *3 - wet touch / gloved fingertip /stylus	
Communication Wireless LAN connection / Standard	Compliant with IEEE802.11a/b/g/n/ac und MU-MIMO 2x2	
Frequency*4	5 GHz-band (W52, W53, W56, and W58), 2.4 GHz-band (1 to 13 channels)	
Security	Encryption: WEP (40/128), TKIP, and AES / WPA authentication: WPA and WPA2 and WPA3 / User authentication: PSK, EAP-TLS, and PEAP	
WWAN*4	Supported: GSM/W-CDMA/LTE and VoLTE / FDD-LTE (4G) - Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 25, 26, 28 / TDD-LTE (4G) - Band 39, 40, 41 / W-CDMA/UMTS/HSPA/HSPA+ (3G) - Band 1, 5, 6, 8, 19 / GSM/GPRS/EDGE (2G) - Band 850, 900, 1800, 1900 MHz	-
GPS	A-GPS/GLONASS/QZSS/BeiDou/Galileo	-
Bluetooth®	Bluetooth® Ver5.1+EDR/LE / Supported profile: RFCOMM/A2DP/AVCTP/ACDTP/GVDP/AVRCP/DUN/DI/HFP/HID/HSP/IOP/MAP/OPP/BNEP/PAN/PBAP/SAP/SPP/HOGP/SCPP	
USB	USB2.0 (Type-C)	
NFC *5	ISO/IEC14443A&B und FeliCa, ISO/IEC15693 (RFID)	
Camera	Rear 13MP autofocus with a LED light	
Card slot	microSD (SDHC and SDXC (up to128 GB)) / SDHC Speed class 4 supported	
	Nano SIMx2 DSDV (4Gx4G)	-
Microphone receiver	Attached *6	
Speaker	90dB or more at 10 cm away (at 2.8kHz)	
Sensor	G-sensor, gyro sensor, proximity sensor, light intensity sensor and geomagnetic sensor	
Power supply Main battery	Lithium-ion battery with 3.050 mAh	
USB charging	Compliant with Qualcomm® Quick Charge™ 3.0	
Operating time *9	Approx. 20 hours *10	
Environmental requirements Operating temperature *7	-20°C to 50°C	
Operating humidity	20 to 80%RH (non-condensing and non-icing)	
Protection rating *8	IP65 / IP67	
Drop resistance *8	60 or more drops from 1.5 m, 2.5 m	
Weight (incl. battery)	Approx. 330g (including battery)	

*1. The LCD display is manufactured with precise technology.The rate of non-defective pixels is 99.99% or more, which means that 0.01% or less pixels could be stuck or dead. / *2. Chargable license required. / *3. Dragontrail® Pro is a registered trademark of AGC Inc. / *4. Actual operating channels/frequencies and bandwidths depend on regulatory rules and certification agency / *5. Before using the NFC function, perform test reading sufficiently using the target NFC card. / *6. A headset or headphone can be connected through the USB Type-C cable. A USB Type-C-to-audio jack (3.5 mm) conversion cable is optional. A USB Type-C-to-audio jack (3.5 mm) conversion cable is optional. / *7. 0°C to 40°C during charging. / *8. These are the values tested at a room temperature, and not guaranteed values. / *9. The operating time is a reference value at a room temperature and may differ depending on the operating conditions. / *10. This is a result of measurement based on the JEITA HT Standard Operation Mode G, and may change depending on the operating environment and system settings.
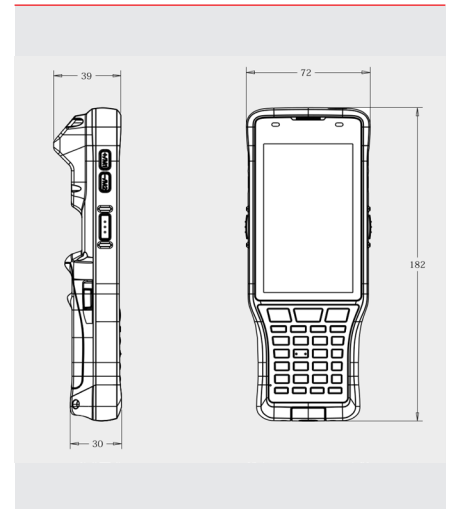
COMPONENTS

- Main Unit
- Lithium-Ion battery BT3 incl. cover
- Handbelt (HBBHT-M80)
- Operator's guide

SOFTWARE

- SDK
- Scan Settings
- BHT Browser
- BHT Link
- BHT Setting
- BHT DMS
- Battery Monitor
- WLAN Manager
- BHT Remote
- Application Launcher
- BHT Security Package

DIMENSIONS

39
72
182
30

ACCESSORIES (sold separately)

Communication / Charger

- USB type charger CU-M70U
- USB type charger CU-M70UQ (QC3.0)
- Charger CU-M70L
- 4 slot unit charger CH-M70-4
- 4 slot battery charger CH-BT1-4
- AC adapter / AC adapter (QC3.0)

Batteries

- BT3 (3.050 mAh)

Others

- Waist case, stylus pen
- USB Type-C conversion cable (1.5m)

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