



BTH990 SERIES RUGGED 2D BLUETOOTH SCANNER



Product Features

- **6-Meter Extended Range (BTH9906Hxx):** Scans 100mil barcodes for safe forklift pick-from-seat operation.
- **Bluetooth v5.2 Wireless:** 70–100m range; cradle doubles as receiver & charging stand.
- **Batch Mode & 1MB Memory (Models' Suffix HM / VM):** Stores 65,000+ barcodes for offline scanning.
- **Rugged IP65 Protection:** Dust and water-sealed with 1.2m drop resistance.
- **Advanced 2D Imaging:** Captures 1D/2D codes on labels or digital screens.
- **Supply Chain Optimized:** Reliably decodes dirty or damaged barcodes.

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	BTH9900Jxx	BTH9906Hxx
Bluetooth Models' Suffix	RU- SPP, without Memory HU- USB HID, without Memory	HM- USB HID, with Memory VM- USB Virtual COM, with Memory
Performance Illumination Element Aiming LED Depth of Field Image Sensor Best Resolution	White LED Red Light: 625nm ± 3nm 13 mil EAN13: 320 mm CMOS (640×480 pixels) 1D (4mil): Code39 (3mil readable) 2D (5mil): PDF417 Tilt: 360° / Pitch ±60° / Skew ±60° ≥30%	White LED Red Light: 625nm ± 3nm 13mil EAN13: 173 cm CMOS (1280×1024 pixels)*2 1D (4mil): Code39 2D (6.67mil): PDF417 Tilt: 360° / Pitch ±60° / Skew ±60° ≥25 %
Scan Angle Print Contrast Indicators Interface	LED & Beeper USB HID, USB-Serial	LED & Beeper USB HID, USB-Serial
Supported Symbologies	1D: Code 128, EAN-13, EAN-8, Code 39, Code 32, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, ISBN/ISSN, Code 93, Code 11, GS1-128, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded 2D: PDF417, QR Code, Micro QR Code, DataMatrix, Aztec	1D: Codabar, Code 39, Code 32, Pharmaceutical (PARAF), Interleaved 2 of 5, NEC 2 of 5, Code 93, 2 of 5 Industrial, 2 of 5 IATA, Matrix 2 of 5, Code 11, Code 128, GS1-128, UPC-A, UPC-E, EAN/JAN-8, EAN/JAN-13, MSI, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, China Post (Hong Kong 2 of 5), Korea Post 2D: PDF417, QR Code, Micro PDF417, Micro QR Code, DataMatrix, Aztec
Electrical & Physical Radio Range RF Frequency Battery Type Scans per Charge Charging Time Memory Capacity Input Voltage Dimensions LxWxH Operating Current Weight	Bluetooth v5.2 (Class 1): Up to 70~100m Line of Sight 2.4 GHz 3.7V, 3150mAh, Rechargeable Li-Ion Battery Pack More Than 10,000 Scans When Fully Charged 4 ~ 5 Hours 1 MB (Capable of Saving More Than 65,000 Sets EAN-13 Barcodes) 5V/DC ± 5% 107 x 76.5 x 230 mm BTH9900J < 320 mA BTH9900J 330 ± 10g	
Environmental Temperature Operating Humidity Ambient Light	(Operation) -5°C to 55°C, (Storage) -15°C to 65°C 5% to 95% Relative Humidity, Non-Condensing 0~ 100,000 Lux (Total Darkness~ Bright Sunlight)	
Decoding Zone	Measured at 600 lux with standard barcodes (PCS ≥ 90%). Tolerance: ±10 mm. Actual DOF may vary by barcode quality and ambient factors.	
4 mil Code39 5 mil Code39 13 mil EAN13 6.67 mil PDF417 10 mil DataMatrix 20 mil QR Code 100 mil EAN13 100 mil DataMatrix 100 mil QR Code	25 ~ 100 mm 25 ~ 135 mm 20 ~ 320 mm 30 ~ 130 mm 10 ~ 135 mm 5 ~ 240 mm - - -	- 23 ~ 38 cm 12 ~ 168 cm 23 ~ 38 cm 18 ~ 48 cm 10 ~ 133 cm 58 ~ 698 cm 30 ~ 548 cm 30 ~ 518 cm

