

For Immediate Release

Casio Releases Tough New Handheld Terminals That Are Comfortable to Operate *IP67-rated Dust and Water-proof Performance*



DT-970M50E



DT-970M51E

TOKYO, October 11, 2013 — Casio Computer Co., Ltd., announced today the release of a new handheld terminal series with built-in laser scanner, featuring an IP67 rating for dust and water-proof performance, and a special grip design for comfortable operation.

In 2006, Casio launched its line of DT-930 handheld terminals with laser scanner. The DT-930 is drop-resistant from a height of 1.8 meters, and has an IP54 rating for dust and splash-proof performance. The DT-930 became popular for logistics operations such as management of goods in and out, and is also useful for retailing operations involving barcode reading, such as ordering and controlling inventory.

Offering even tougher performance for the harsh environments of frontline operations, the new DT-970 series features superior operability based on human-centered design for interactive systems (ISO 9241-210). The DT-970M51E has a straight scanning angle, while the DT-970M50E has a downward scanning angle, offering two convenient models to meet diverse user needs. Typical application templates have been prepared for the DT-970 series for different types of operations such as management of goods in and out and controlling inventory. This reduces the work required to develop specific operation applications.

■ Better performance in harsh environments

The drop resistance has been improved to 2 meters and is rated IP67 for dust and water-proof performance (no dust penetration, and no water penetration when immersed temporarily at certain depths). The device operates at subzero temperatures (down to -20°C) and can be used in the rain, in dusty locations, and in low-temperature warehouses.

■ More convenient

The new models feature a rounded hand-fitting shape, while a textured surface has been added to the back for easier gripping. Frequently used keys have been positioned within easy finger reach, and backlight keys enable use in the dark. The monochrome LCD screen has two backlighting colors (white and red). In the case of an operation error, the red backlighting activates to alert the user.

■ Easier to operate

The DT-970 series delivers an exceptionally long period of continuous operation (approx. 200 hours with two AA-size alkaline batteries) and can also operate using rechargeable AA NiMH batteries approved by Casio. Thanks to Ver.2.1 + EDR Bluetooth® technology, barcodes scanned with the device can be transmitted to a tablet terminal.* A scan width control (laser beam swing angle control) function is also included to prevent accidental reading of adjacent bar codes.

*Tablet terminal with the human interface device (HID) profile for Bluetooth®

DT-970 Series Specifications

Model		DT-970M50E	DT-970M51E	
Environment	Dust/Water-proof	IP67 (compliant with IEC60529 standard)		
	Drop Durability	2.0m		
	Operating Temperature	-20°C to 50°C		
Scanner	Type	Semi-conductor laser (downward type)	Semi-conductor laser (straight type)	
	Readable Distance	45mm to 550mm	40mm to 550mm	
	Resolution	0.127mm		
	1D Symbologies	GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, Code128/GS1-128 (UCC/EAN128), Code93, Code39, EAN13, EAN8, UPC-A, UPC-E, Codabar (NW-7), Interleaved 2of5 (ITF), Industrial 2 of 5 MSI, IATA		
	Stacked Symbologies	GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked		
Memory	RAM	8MB (User area: Approx.3MB)		
	FROM	32MB (User area: Approx.28MB)		
Display	LCD	Type	128x128 dots monochrome FSTN LCD with difference compensating film	
		Screen Size	5.8cm (2.3 inches)	
	Backligh	2-color (white, red) LED		
	Font Size	12, 16, 20 dots		
	Total Characters on Screen	12 Dot Font	210 characters (420 characters in compressed display mode)	
		16 Dot Font	128 characters (256 characters in compressed display mode)	
		20 Dot Font	72 characters (144 characters in compressed display mode)	
Indicator	LED	3-color (blue, green, red) LED		
Buzzer	Sound Volume	75 dB or greater		
Vibrator		Comes standard		
Input	Keyboard	Power key, CLR key, BS key, S key, four direction keys, L/R keys, numeric (Alphabet) keys, enter key, F1 to F8 keys, reset switch		
	Trigger Key	3 (at center, left, and right)		
	Key Backligh	Yes		
Interface	Bluetooth®	Bluetooth® Ver.2.1+EDR (Class2)		
	Infrared	IrDA Ver.1.0compatible (Maximum115.2kbps)		
	USB Port (Micro-B)	USB 2.0 Full Speed (Maximum12Mbps)		
	Card Slot	MicroSD Memory Card (SDHC) x 1		
Power	Main Power	AA-size Alkaline batteries x 2	Operating period at room temperature : Approx. 200 hours (under conditions of "scanning twice per 10 seconds")	
		AA-size NiMH batteries x 2	Only NiMH batteries approved by Casio	
	Memory Backup	CR2032 x 1	Memory backup period at room temperature : Approx. 20 days (backed up with only memory backup battery)	
External Dimensions (WxDxH)		Approx. 54.0 [52.0*] x 173.5 x 25.0 [26.9*] mm * The figure indicates the grip part.		
Weight		Approx. 215g (including 2 AA-size alkaline batteries)		

1. The BLUETOOTH registered trademark is owned by Bluetooth SIG, Inc., U.S.A., and licensed to CASIO Computer Co., Ltd.
2. Other company and product names are generally registered trademarks or trademarks of the respective companies.
3. Specifications in the table above are current as of October 2013, and may be changed without prior notice.