HT-200/HT-250

Hand-held Image Readers

Auto-discriminate and Read 1-D and 2-D Codes

Overview

RVSI Acuity CiMatrix offers two leading-edge hand-held image readers: the HT-250 and the HT-200. The HT-250 is a high-density hand-held image reader developed specifically for item marking applications. It incorporates the latest digital image capture and processing technology and provides an additional "plug-n-shoot" feature available for any portable or fixed station application. The HT-200 is one of the first advanced system to capture any industry 1-D and 2-D high contrast linear bar code label or symbol and follow it throughout the entire manufacturing and distribution process.

Applications

The HT-200 and the HT-250 provide high resolution with ultra-fast, robust auto-discriminating decoding for the most demanding application environments.
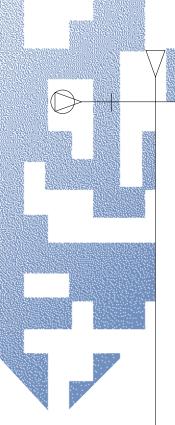
Typical applications include:

- Personal Identification
- Point-of-Sale Transactions
- Work-in-Process
- Captive Images for Damaged Goods
- Manufacturing
- Finished Goods Inventory
- Warehousing and Distribution
- Quality Control

Features/Benefits

- **Both the HT-200 and the HT-250 support all application-specific 2-D symbologies, including Data Matrix (the most dense code), PDF417, MaxiCode™, and all popular linear codes**
- **Reads truncated and damaged codes due to superior omni-directional imaging capabilities**
- **The HT-200 and HT-250 both support Data Matrix EC-200 and lower level ECC symbols**
- **Incorporates ergonomic and operational features never before integrated into a single point-and-shoot system**
- **Tracks critical information from receiving and manufacturing through finished goods inventory, warehousing and distribution**
- **Captures entire images to document and verifies damaged goods; the ultimate in traceability**
- **Provides high resolution and ultra-fast, robust auto-discriminating decoding**
- **The HT-200 and HT-250 come with a choice of I/O interfaces, transmit speeds, soft parameters, and either battery powered or tethered connectivity**

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Specifications

Physical:

- Length: 6.2" (15.7cm)
- Width: 2.2" (5.7cm)
- Depth: 2.5" (6.8cm)
- Weight: 6.1 oz. (175g)

Optical Parameters:

- Pitch: +/- 35°
- Skew: +/- 35°
- Rotation: 360°
- Ambient Light: Total darkness to full sunlight

Symbologies:

- 1-D Codes: Code 128, Code 39, Code 93, Interleaved 2 of 5, Codabar, UPC/EAN, BC412 and Postnet
- 2-D Codes: Data Matrix , PDF417
- Resolution: 0.25 x 0.25mm as a minimum cell of 2-D codes
0.15 mm as a minimum bar element width
- Target Distance: 45-115mm from the camera face

Environmental:

- Operating Temperature: 0 to 40°C
- Storage Temperature: -22°F to 158°F (-30°C to +70°C)
- Humidity: 0 to 80% RH without dew
- Vibration Resistance: 5 to 60Hz at maximum 4G
- Shock: Withstands multiple drops to concrete from 5 ft.

Interface:

- Serial: RS-232C
- Format: ASCII or Bit Map
- Baud Rate: 200 to 115.2 Kbps
- Power Requirements: +4.5 - +14V
- Peak Power Consumption: <250mA at 12V

HT-200/HT-250 Depth of Field

Bar Code	Nearest mm	Farthest mm
1-D-BAR CODE		
0.15mm	45	115
0.19mm	45	145
0.25mm	20	185
0.33mm	25	210
PDF417		
0.25mm	25	190
0.33mm	50	220
DATA MATRIX		
0.25mm	45	110
0.38mm	30	155

Field of View

Read Distance	Area
2.0" (50mm)	40x30mm
3.9" (100mm)	66x50mm
5.9" (150mm)	93x70mm
7.9" (200mm)	120x90mm

CE

Specifications subject to change without notice.

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