

HF511T

Fixed-Mount Barcode Scanner

HF511T is a 2D area-imaging scanner with a compact size and powerful comprehensive functions, providing a powerful scanning performance for all 1D, PDF, and 2D barcodes. Combined integrated Honeywell's latest software decoding algorithm with excellent product hardware design, it is applicable to various types of common mobile self-service equipment.



FEATURES & BENEFITS



Compact Design

Compact size with built-in LED light source, supporting with multiple software configuration options, it can be used to read the mobile phone screen codes and printed label codes.



Flexible Interface

The flexible flat cable interface is provided to save users' costs and also enable users to select the appropriate interface type.



Wide Field of View

Its ultra-wide field enables complete scanning at larger angles without purposely aligning for decoding.



Flexible Enclosure Options

Customers can select from module versions and customize the size of the enclosure, which meets their device space needs and provides perfect integration.

HF511T Technical data

Mechanical

Dimensions (L x W x H):
53.5mm×33.5mm×19.5mm
Weight: 18.35g

Electrical

Input voltage: 4.5-5.5VDC
Operating Power: 1.5W (300mA @ 5VDC)
Standby Power: 1W (200mA @ 5VDC)
Host System Interfaces: USB, RS232, TTL232
External Signal Interface: external trigger input, PWM signal output successful reading, external reset input

Environmental

Operating Temperature: -10°C to 50°C
Storage Temperature: -40°C to 70°C
Humidity: 0% to 95% RH, non-condensing
Drop: Designed to withstand 1 m drops (2x)
Light Levels: 0 - 100,000 Lux

Scan Performance

DPI: 640 x 480 pixels
Light source: White LED
Indicator: Buzzer
Scan Pattern: Area Image
Field of View: Horizontal: 83.0°; Vertical: 66.2°
Pitch, Skew: +55°, +65°
Print Contrast: 25% minimum reflectance difference
Motion Tolerance: 1.2 m/s
Decode Capability*: 1D: 3 mil(Code 39); 2D: 6.7mil

Typical Performance*	
Narrow Width	Depth of Field
10 mil Code 39	15 - 40mm
13 mil UPC-A	15- 110mm
20mil Code 39	18- 150mm
20mil QR	12- 90mm
Guaranteed Performance*	
Narrow Width	Depth of Field
5 mil Code 39	20- 30mm
13 mil UPC-A	20- 100mm
20mil Code 39	20- 120mm
20mil QR	18- 70mm

* Performance may be impacted by barcode quality and environmental conditions

For more information

www.honeywellaidc.com

Honeywell Safety and Productivity Solutions

9680 Old Baires Road
Fort Mill, SC 29707
800-537-6945
www.honeywell.com

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