HH490

Handheld 2D Area-Imaging Scanner

> Designing for most commercial environments requires a high-speed 1D/2D scanning operation, HH490 demonstrates strong capability of reading bar code rapidly and continuously - even when reading damaged, partially obscured, or poorly printed bar codes.

1GHz MCU and 1MPx camera enables HH490 excellent and reliable reading performance

The Honeywell HH490 is a new generation of handheld 2D area-imaging scanner, designed to fulfill different customers' scanning needs in various applications and scenarios, such as personnel registration at the government departments, membership identification and payments at the large-scale shopping malls and supermarkets, hotel registration and management, theater ticket verification, even at hospitals, schools, and any place where data need to be read and identified quickly.

HH490 offers excellent 1D and 2D barcode scanning performance at an affordable price. It can rapidly respond to a variety of scanning needs, help customers quickly obtain data, simplify operation procedures, and greatly improve the management efficiency of the enterprise. HH490 makes scanning easier and faster!

Given the rapid and large-scale deployment challenges from the commercial side, HH490 is equipped with Honeywell's advanced EZ config and POS driver, which greatly simplifies the configuration process and saves time. HH490 is fully backward-compatible with existing HH400 accessories. It helps existing customers greatly reduce cost and make the investment worthwhile.

FEATURES AND BENEFITS

Flexibility and Versatility

HH490 is designed to fulfill different customers' scanning needs in various applications,no matter the merchandise codes, digital codes in retail industry, or the data matrix, dot code in government or hospitality, HH490 can read them effortlessly. It is a scanner with great flexibility and versatility.

Industry-Leading Performance

Equipped with 1GHz MCU and 1MPx camera, plus the Honeywell's world-leading decoding technology, HH490 shows an industry-leading performance for various types of barcodes, even damaged codes, which helps avoid the errors of manual entry, saving time and improving productivity for customers substantially.

Intelligent Software Tools

Used with Honeywell EZConfig, OPOS/JPOS drivers, POSNET4, SMU and plug-ins, these intelligent software tools greatly simplify the setup and installation of HH490 and save the effort of integration with other equipment of customers.

A Full Range of Accessories

A full range of accessories including the USB cables, RS232 cables, stands and power supplies, which perfectly fulfill customers' requirements for different applications and are compatible with variety of POSs and equipment, ensure the ease of use for customers.

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HH490 Technical Specifications

MECHANICAL/ELECTRICAL

Dimensions (L x W x H):
72.5mm×125mm×154mm (2.85 in 4.92 in 6.06 in)

Scanner Weight: 130 g (4.58 oz)

Input Voltage: 5 ± 0.5VDC

Operating Power: 2 W (400 mA @ 5V DC)

Standby Power: 0.55 W (110 mA @ 5V DC)

Host System Interfaces: USB, RS-232

ENVIRONMENTAL

Operating Temperature:
0°C to 50°C (32°F to 122°F)

Storage Temperature:
-40°C to 60°C (-40°F to 140°F)

Electrostatic Discharge (ESD) (Scanners and Cradles): ±8 kV indirect coupling plane, ±15 kV direct air

Humidity: 0% to 95% relative humidity, non-condensing

Tumble Spec: 250 0.5 m (1.6 ft) tumbles (impacts)

Drop: Engineered to withstand 1.2m 2times drop to concrete

Environmental Sealing: IP40

Light Levels: 0 to 100,000 lux (9,290 foot-candles)

SCAN PERFORMANCE

Scan Pattern: Area Image (1280 x 800 pixel array)

Motion Tolerance: up to 75 cm/s for 13 mil UPC at optimal focus

Scan Angle: Horizontal: 48° nominal;

Vertical: 30° nominal

Roll, Pitch, Skew: ±180°, ±60°, ±65°

Minimum Contrast: 25%

Decode Capabilities: Reads standard 1D, PDF, 2D, and DotCode symbologies

Note: Decode capabilities dependent on configuration.

Warranty: 3-year factory warranty

DECODE RANGES (DoF)

TYPICAL PERFORMANCE *	STANDARD RANGE	
Symbology	Near Distance/mm	Far Distance/mm
5 mil Code 39	40	225
6.7mil PDF417	50	210
10mil Data Matrix	45	185
13mil UPC-A	35	430
20mil QR Code	20	355
Minimum Resolution		
Resolution (Code 39)	3mil	
Resolution (PDF 417)	4mi	
Resolution (QR)	6mil	
Resolution (DM)	5mil	

*Performance may be impacted by barcode quality and environmental conditions.

**Data Matrix (DM)

For more information

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THE FUTURE IS WHAT WE MAKE IT

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