

# HH490

## Handheld 2D Area-Imaging Scanner

HH490 is designed for commercial environments requiring high speed 1D/2D scanning operations. The imager is able to read bar codes rapidly and continuously, even when reading damaged, partially obscured, or poorly printed bar codes.



*HH490 features a 1GHz MCU and 1MPx camera and produces excellent barcode reading performance.*

The HH490 is a new generation of handheld 2D area-imaging scanner, designed to fulfill a wide variety of customers' scanning needs in various applications and scenarios. Examples include membership identification, payment at shopping malls and supermarkets, hotel registration, applications at hospitals and schools, or any place where data needs to be read and identified quickly.

HH490 offers excellent 1D and 2D barcode scanning performance at an affordable price. It provides fast scanning for a variety of scanning needs, helps customers quickly obtain data, simplifies operational procedures, and greatly improves the management efficiency of your business. Put simply, the HH490 makes scanning easier and faster!

To handle today's commercial deployment challenges and large-scale infrastructures, the HH490 is equipped with Honeywell's advanced EZ Config and POS drivers, which greatly simplify the configuration process and saves time. HH490 is fully backward-compatible with existing HH400 accessories, it helps original customers greatly reduce cost and protect original investment.

## FEATURES AND BENEFITS



### Flexibility and Versatility

The HH490 is designed to fulfill scanning needs in a wide variety of customer applications, including printed merchandise codes, digital codes in retail, or Data matrix and DotCode used in government and hospitality applications. The HH490 can read them all effortlessly.



### Industry-Leading Performance

Equipped with 1GHz MCU, a 1MPx global shutter camera, and Honeywell's best in class decoding technology, the HH490 has industry-leading performance on various types of barcodes. This includes damaged codes which helps to avoid errors associated with manually entering data; saving time and improving productivity.



### Intelligent Software Tools

The HH490 is supported by Honeywell's EZ Config, OPOS/JPOS drivers, POSNET4, SMU and plug-ins. These intelligent software tools greatly simplify the setup and installation of the HH490 and makes integration with other equipment easy.



### A Full Range of Accessories

A full range of accessories including USB cables, RS232 cables, stands and power supplies are available. These accessories perfectly meet customers' requirements in various applications and are compatible with a variety of POS equipment, ensuring ease of use for your customers.

# 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 symbology  
**Note:** Decode capabilities dependent on configuration

## WARRANTY

**Warranty:** 3-year factory warranty

## DECODE RANGES (DOF)

SYMBOLGY	STANDARD RANGE	
	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
<b>Minimum Resolution</b>		
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

[www.honeywellaidc.com](http://www.honeywellaidc.com)

## Honeywell Safety and Productivity Solutions

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HH490 Scanner Data Sheet A4 | Rev A | 03/21  
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