

# IS220 TwinScan

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## Omnidirectional Scan Engine

Honeywell's IS220 TwinScan™ is a rugged, high-speed omnidirectional scan engine. With an expanded scan field and high first-pass read rate, it is ideal for reverse vending, package tracking, conveyor scanning, and other industrial applications.

A rugged steel casing protects the engine from harsh external conditions. This fully self-contained engine incorporates two interlocking scan patterns that provide a large area of coverage (up to 330mm) and aggressive first pass performance, making the IS220 the perfect fit for any factory, warehouse or shipping environment.

Flash-upgradeable firmware enables fast and easy system updates. The IS220 also features integrated diagnostics and remote monitoring capabilities, resulting in minimal downtime, increased productivity and reduced maintenance costs.



## Features

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- **4,000 Scans Per Second:** Increases first-pass read rate, making the IS220 well suited for high-speed industrial applications
- **Two Optical Modules With Interlocking Scan Patterns:** Produces an expanded omnidirectional scan field
- **IP54 Rating:** Protects engine from exposure to dust and splashing water, ensuring durability in harsh environments
- **Flash-Upgradeable Firmware:** Allows quick system updates
- **Integrated Diagnostics and Remote Monitoring:** Minimizes downtime, increases productivity and reduces maintenance costs

# IS220 Technical Specifications

## Mechanical

Dimensions (LxWxH)	295 mm x 150 mm x 75 mm (11.6" x 5.9" x 3.0")
Weight	2.5 kg (5.5 lbs)
Termination	15-pin, male d-sub connector with screw locks
Mounting	2 each PEM, B-M5-2 mounting holes. Can be mounted in any orientation

## Electrical

Input Voltage	5 VDC $\pm$ 0.25 V
Operating Current (Charging)	1.25 A typical
Laser/LED Safety	Unit does not exceed Class 2 limits
EMC	Class B
Host System Interfaces	RS232

## Environmental

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	For fixed mount application only
Vibration	7 G (15-500 Hz)
ESD	$\pm$ 8KV air discharge; $\pm$ 4KV contact discharge

## Scan Performance

Scan Pattern	10 fields of 4 parallel lines
Resolution	8 mil (0.203 mm)
Working Range	115 mm-190 mm (4.5"-7.5") from the glass window for 100% UPC/EAN
Width of Scan Field	270 mm @ 115 mm (10.6" @ 4.5") 330 mm @ 180 mm (13" @ 7.5")
Print Contrast	35% minimum reflectance difference
Decode Capability	Reads all standard 1D bar codes including GS1 DataBar



### For more information:

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

### Honeywell Scanning & Mobility

9680 Old Bailes Road  
Fort Mill, SC 29707  
800.582.4263  
[www.honeywell.com](http://www.honeywell.com)

# Honeywell

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