

# MS2400 Stratos Series

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## Bioptic Scanner/Scale

Honeywell's MS2400 Stratos® 5-sided, 360°-bioptic scanner/scale increases productivity in demanding, high-volume seated environments where shorter vertical towers are required, and poor quality and high-density bar codes are prevalent. Independent scanning planes and a modular design lower maintenance costs and ensure continuous operation.

The MS2400 Stratos series provides retailers with the ability to deploy a single scanner platform across multiple store formats around the world, including stores with 353 mm (13.9"), 399 mm (15.7"), and 508 mm (20") scanner footprints.

Aggressive scan performance on high density and poor quality bar codes minimizes the need for manual keying. The MS2400 also excels at scanning GS1 DataBar™ codes, ensuring compliance with sunrise initiatives.

Rapid pass-through scanning allows cashiers to maintain a constant motion across a wide range of bar codes, leading to faster customer processing, shorter lines, optimization of the number of open checkout lanes, and lower labor and energy costs.

Unlike other bioptic devices, MS2400 is the only one to offer pre-aligned optical scanning modules, and independent scanning planes which enable the scanner to maximize uptime and maintain productivity.

The MS2400 Stratos maximizes return on investment with two analytical tools for tracking, managing and improving checkout productivity and efficiency. StratosSTATS™ provides real-time visibility into key data points directly impacting checkout productivity. StratosSCHOOL™ captures information necessary to improve operator scanning techniques and safety.



## Features

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- **5-sided, 360°-Scanning:** Improves productivity and operator ergonomics by reducing product orientation
- **StratosSYNC™ Independent Scanning Planes:** Maintains productivity and uptime via independent scanning planes
- **StratosSCHOOL Operator Training Software:** Improves productivity and promotes safer scanning techniques
- **StratosSWAP™ Pre-Aligned Optical Scanning Modules:** Minimizes downtime and lowers the cost of service via modular optical scan engines
- **StratosSTATS Productivity Analytical Software:** Provides data critical to maintaining checkout productivity
- **Remote MasterMind™ Scanner Management Software:** Offers a quick and convenient solution for IT administrators seeking to manage all scanners within their network from a single remote location
- **Flip-Up Weigh Bar:** Single or three-sided options allow cashiers to accurately weigh oversized produce, reducing shrink loss

# MS2400 Stratos Technical Specifications

## Operational

Light Source	Visible Laser Diode 650 nm ± 10 nm
Visual Indicators	Steady Blue = ready to scan; Flashing Blue = good read; Amber = scale at zero; 7-segment display = diagnostic indicator
Host System Interfaces	USB, RS232, IBM46xx (RS485)
Auxiliary Ports	RS232: Secondary scanner, EAS

## Mechanical

Product	Length	Width	Depth (Below Counter)	Height (Above Counter)
MS2420 (compact scanner with scale)	399 mm (15.7")	292 mm (11.5")	100 mm (4")	130 mm (5.1")
MS2421 (compact scanner only)	399 mm (15.7")	292 mm (11.5")	100 mm (4")	130 mm (5.1")
MS2422 (sub compact scanner only)	353 mm (13.9")	292 mm (11.5")	100 mm (4")	130 mm (5.1")
MS2430 (full-size scanner with scale)	508 mm (20")	292 mm (11.5")	100 mm (4")	130 mm (5.1")
MS2431 (full-size scanner only)	508 mm (20")	292 mm (11.5")	100 mm (4")	130 mm (5.1")

## Electrical

Input Voltage	5.2 VDC ± 0.25 VDC; 12 VDC ± 0.5 VDC
Operating Power	11 W (1670 mA @ 5.2 V; 190 mA @ 12 V)
Standby Power	5.5 W (610 mA @ 5.2 V; 190 mA @ 12 V)

## 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
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	4842 Lux

## Scan Performance

Depth of Scan Field (Horiz/Vert)	H: 0 mm - 100 mm (0"-4"); V: 0 mm - 216 mm (0"-8.5") for 0.33 mm (13 mil) bar code
Sides Read/Scan Zone	5 / 360°
Scan Pattern	Omnidirectional: 54 scan lines (Horizontal: 38 scan lines; Vertical: 16 scan lines)
Scan Speed	5400 scan lines per second
Resolution	4.5 mil (0.114 mm)
Print Contrast	35% minimum reflectance difference
Decode Capability	Reads standard 1D and GS1 DataBar symbologies.



Scale Specifications	
Capacity	15 kg (30 lb)
Minimum Legal Weight	0.005 kg (0.01 lb)
Maximum Static Weight	68 kg (150 lb)
Adjustments Required	Field calibration if necessary
Applications	Weight-only and price computing
Scale Partners	Avery Berkel®, Bizerba®, Dibal®, Digi®, Herbert Retail and Mettler Toledo®
Platter Options	Single or three-sided flip-up bar for weighing oversized produce

# Honeywell