

# MS2400 Stratos

## Bioptic Scanner/Scale

Honeywell's MS2400 Stratos® premium five-sided, bioptic scanner/scale increases productivity in demanding, high-volume seated and small checkout environments. Patented independent scanning planes and modular design promote easy set up, lower maintenance costs and ensure continuous operation.

The MS2400 Stratos is the newest member of the company's premier line of 360°-bioptic scanners.

The MS2400 Stratos features a faster microprocessor, enhanced signal processing, enriched decoding software and an optimized vertical scan pattern.

To help retailers boost checkout productivity, Honeywell redesigned the Stratos *SPHERE*™ scanning architecture. Stratos *SPHERE* powers the scanner's high first-pass read rate and gives operators using a rapid scanning motion the ability to process a product in a single pass regardless of bar code type or orientation.

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. Stratos *STATS*™ provides real-time visibility into key data points directly impacting checkout productivity. Stratos *SCHOOL*™ captures information necessary to improve operator scanning techniques and safety.

For more information on the MS2400 Stratos bioptic scanner/scale, please visit [www.honeywell.com/aidc](http://www.honeywell.com/aidc)



## Features

- **Stratos *SPHERE* Advanced Scanning Architecture:** Increases rapid pass-through scanning productivity with high first-pass read rate
- **Stratos *SYNC*™ Independent Scanning Planes:** Maintains productivity and uptime via independent scanning planes
- **Stratos *SWAP*™ Pre-Aligned Optical Scanning Modules:** Minimizes downtime and lowers the cost of service via modular optical scan engines
- **Stratos *STATS* Productivity Analytical Software:** Provides data critical to maintaining checkout productivity
- **Stratos *SCHOOL* Operator Training Software:** Improves productivity and promotes safer scanning techniques

# MS2400 Stratos Technical Specifications

## Operational

Light Source	Visible Laser Diode 650 nm ± 10 nm
Audible Indicators	7 tones or no beep; 3 volume settings
Visual Indicators	Steady Blue = power on; Flashing Blue = good read; Amber = scale at zero; 7 - segment display = diagnostic indicator
Host System Interfaces	USB, RS232, IBM46xx (RS485)
Auxiliary Ports	RS232
Laser Power (Horizontal/Vertical)	1 mW / 1 mW

## Mechanical

Length	MS2420 (compact scanner with scale) 399 mm (15.7"); MS2421 (compact scanner only) 399 mm (15.7"); MS2422 (sub compact scanner only) 353 mm (13.9")
Width	292 mm (11.5")
Depth (Below Counter)	100 mm (4")
Height (Above Counter)	130 mm (5.1")
Weight	MS2420 (compact scanner with scale) 9.97 kg (22 lbs); MS2421 (compact scanner only) 7.20 kg (16 lbs); MS2422 (sub compact scanner only) 6.80 kg (15 lbs)

## 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) - typical
Standby Power	5.5 W (610 mA @ 5.2 V; 190 mA @ 12 V) - typical
Operating Current	1.7 A @ 5.2 V; 250 mA @ 12 V
DC Transformers	Class 1: 5.2 V @ 2.5 A; 12 V @ 0.8 A
Laser Class	Class 1: IEC60825-1; EN60825-1
EMC	FCC Part 15, IEC60825-1, EN55022 Class B

## 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 (450 foot-candles)

## Scan Performance

Depth of Scan Field (Horiz/Vert)	H: 0 mm - 100 mm (0"-4") for 0.33 mm (13 mil) bar code; V: 0 mm - 216 mm (0"-8.5") for 0.33 mm (13 mil) bar code
Scan Speed	5400 scan lines per second
Sides Read/Scan Zone	5 / 360°
Number of Scan Lines	54 (Horizontal: 38; Vertical: 16)
Resolution	5 mil (0.127 mm)
Print Contrast	35% minimum reflectance difference
Tilt, Pitch, Skew	360°, 60°, 60°
Decode Capability	Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar



### For more information:

[www.honeywell.com/aidc](http://www.honeywell.com/aidc)

### Security & Data Collection

Honeywell Scanning & Mobility

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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®, and Mettler Toledo®

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