

## HS-2D



## 手持式影像扫描器

HS-2D 影像扫描器是一种实用的便携式解决方案，适用于解码常见应用（例如高对比度黑白标签）中的线性条形码和二维标签。它可以从任何方向读取标签，配备的内置双 LED 定位系统使其可以快速轻松地捕获数据，同时先进的设计使其可以适应恶劣的工业环境。

无论是在干净的房间还是在工业环境中，HS-2D 影像扫描器都是高对比度自动化数据应用方面的理想方案。

### HS-2D: 简介

- 每秒解码次数：最多 10 次
- 读取范围：0.5 至 6"（12 至 152 毫米）
- USB、RS-232 接口选项



ESP® 简易设置程序：单点软件为所有 Microscan 阅读器提供了迅速简便的设置和配置。

有关本产品的详细信息，请访问 [www.microscan.com](http://www.microscan.com)。

### 全方向读取

HS-2D 可从任意方向轻松捕获距离在 0.5 至 6 英寸（12 至 152 毫米）范围内的线性条码和二维标签。通过广阔的读取区域可实现快速而可靠的解码。

### 易于使用

HS-2D 影像扫描器利用具有不同颜色汇聚 LED 的点击定位技术，可快速确定目标范围。声音提示、振荡器以及多用途可视用户系统可以提供实时反馈信息。

### 高处理速度

高处理速度使 HS-2D 能够在数秒内分别获取和解码多个标签，而无需对影像扫描器进行任何调节。

### 牢固的设计

HS-2D 影像扫描器的加固设计包括固定的系索钩、安全的电缆以及耐用的双色模外壳，可经受多次从 6 英尺（1.8 米）高处落至水泥地面的撞击强度。

### 通信灵活

HS-2D 影像扫描器可配备 2 种接口选项：USB 或 RS-232。

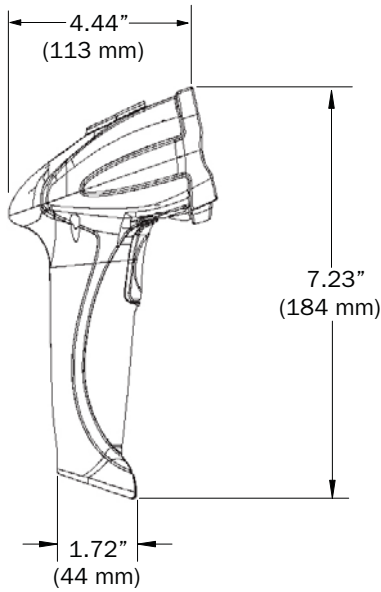
### 应用实例

- 库存盘点
- 电子行业
- 生命科学

### HS-2D: 可读码

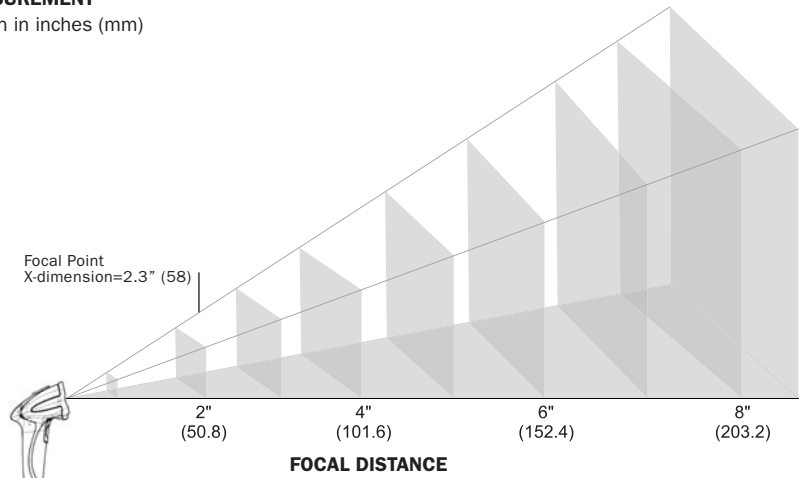


# HS-2D HANDHELD IMAGER SPECIFICATIONS AND OPTIONS



## READ RANGE GRAPH

**MEASUREMENT**  
Shown in inches (mm)



Narrow-bar-width	Read Range Distance
.0063" (0.160 mm)	1.25 to 2.5" (32 mm to 64 mm)
.0083" (0.211 mm)	1.75 to 3.2" (44 mm to 81 mm)
.020" (0.508 mm)	0.50 to 5.2" (13 mm to 132 mm)

Ranges based on Grade A Data Matrix symbols. Data subject to change.

## MECHANICAL

**Height:** 7" (180 mm)  
**Width:** 2.5" (63 mm)  
**Depth:** 4.5" (114 mm)  
**Weight:** 6.4 oz. (181 g), not including cable

## ENVIRONMENTAL

**Operating Temperature:** 0° to 50° C (32° to 122° F)  
**Storage Temperature:** -20° to 65° C (-4° to 150° F)  
**Humidity:** 5% to 95% (non-condensing)  
**Shock:** Withstands multiple drops of 6' (1.8 meters) to concrete

## CE STANDARDS

**Immunity:** EN 55024  
**ESD:** EN 61000-4-2  
**Radiated RF:** EN61000-4-3  
**Keyed Carrier:** ENV50204  
**EFT:** EN61000-4-4  
**Conducted RF:** EN61000-4-6  
**Emissions:** EN55022, Class B Radiated, Class B Conducted

## SYBBOLOGIES

**2D Symbolologies:** Data Matrix, QR Code, Micro QR Code, Aztec Code, MaxiCode  
**Stacked Symbolologies:** PDF417, MicroPDF417, GS1 Databar (Composite & Stacked)  
**Linear Barcodes:** Code 39, Code 128, Code 11, 12 of 5, UPC/EAN, Codabar, Codablock F, Pharmacode, Code 93, PLANET, PostNet, Japanese Post, Australian Post, Royal Mail, KIX

## LIGHT COLLECTION OPTIONS

**Sensor:** CMOS, progressive scan, 1.33 MP, 256 grayscale  
**Sensor Array:** 1280 by 1024  
**Field of View:** 43.48° horizontal by 31.86° vertical  
**Focal Point:** Optimal at 2.3" (58 mm)

## COMMUNICATION PROTOCOLS

**Standard Interface:** USB, RS-232

## READ PARAMETERS

**Pitch:** ±60° (front to back)  
**Skew:** ±60°  
**Rotational Tolerance:** ±180°  
**Focal Range:** 0.5 to 6" (12 to 152 mm)  
**Print Contrast Resolution:** 25% (barcodes); 35% (PDF417) absolute dark/light reflectance differential, measured at 650 nm  
**Ambient Light Immunity:** Sunlight: Up to 9,000 ft-candles/96,890 lux

## INDICATORS

**Status Indicators:** Vibration motor, audible tones, visual feedback with multi-color LED

## IMAGE OUTPUT OPTIONS

**Format:** JPEG, Raw (uncompressed)

## ELECTRICAL

**Power Requirements:** 5 VDC (mA)  
**Typical:** 330mA **Peak:** 345mA **Idle:** 250mA

## SAFETY CERTIFICATIONS DESIGNED FOR

FCC, CE

## ROHS/WEEE COMPLIANT

## ISO CERTIFICATION

Issued by TÜV USA Inc, Member of TÜV NORD Group, Cert No. 06-1080

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Read Range and other performance data is determined using high quality Grade A symbols per ISO/IEC 15415 and ISO/IEC 15416 in a 25° C environment. For application-specific Read Range results, testing should be performed with symbols used in the actual application. Microscan Applications Engineering is available to assist with evaluations. Results may vary depending on symbol quality.  
**Warranty:** Three year limited warranty on parts and labor. Extended warranty available.

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