

Quadrus[®] MINI Velocity



小巧的外形/体积

图示实际尺寸
高: 1" (25.4 毫米)
宽: 1.80" (45.7 毫米)
长: 2.10" (53.3 毫米)

视场宽阔,
自动对焦

获得
Quadrus[®]
专利技术



高速 微型影像扫描器

Quadrus MINI Velocity 为用于数据追踪的高性能微型影像扫描器设定了产品标准。此超小型影像扫描器可以高速读取所有的标准二维或线性条码, 而且一次捕获可读取多个条码, 并能实时自动对焦。

卓越, Quadrus MINI Velocity 已成为几乎所有动态条码应用的理想解决方案。

Quadrus MINI Velocity: 简介

- 每秒解码次数: 最多 45 次
- 获得 Quadrus 专利技术
- 自动对焦
- 可选的 USB 连接



ESP[®] 简易设置程序: 单点软件, 可迅速简便地设置和配置所有 Microscan 读取器。



EZ Trax[™]: 影像捕获和存储软件, 用于跟踪标签影像。



EZ 按钮: 此按钮可使读取器在不要求使用计算机的情况下, 执行设置和配置操作。



可见指示器: 性能指示器包括指示“good read”的绿色闪光和 LED, 以及标签定位工具。

有关本产品的详细信息, 请访问 www.quadrusmini.com。

动态、高速

读取 Quadrus MINI Velocity 可对运动速度最高达每秒 100" (254 厘米/秒) 的条形码或二维符号进行全方向解码。

自动对焦

将标签置于视场中心部位, 然后按下 EZ 按钮便可体验真正的自动对焦。

Quadrus MINI Velocity 可自动调整焦距并设置内部参数, 从而优化标签读取。

视场宽阔

高分辨率零失真光学系统、全视场绕射照明光源和广角扫描窗使扫描器能够使用光学直角镜以 1" (25.4 毫米) 的距离读取 2" x 2" (50.8 毫米 x 50.8 毫米) 范围内的线性条码和二维码。



Q Mode 选件

Q Mode 算法为各种类型的条码提供极其稳定的解码。Q Mode 还增强了视场并增加了对 Micro QR 码、Aztec 码和邮政编码的解码功能。

Micro QR 码 Aztec 码



邮政编码



小巧的外形/体积

Quadrus MINI Velocity 外形小巧, 便于灵活地置于狭小的空间中或安装在机器人上。

应用实例

- 文档处理
- 药品包装
- 印刷电路板
- 电子元件组装
- 组装线生产

Quadrus MINI Velocity: 可读码

线性条码

所有标准



二维标签

Data Matrix 码 QR 码



堆栈标签

MicroPDF 码 PDF417 码

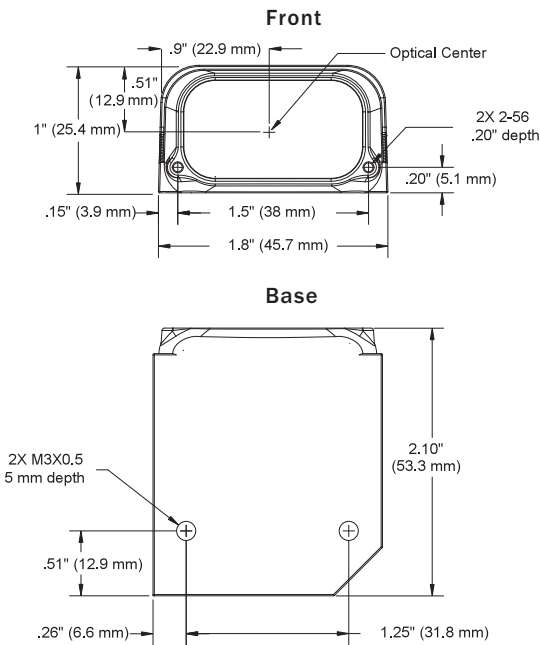


GS1 Databar (RSS) 码

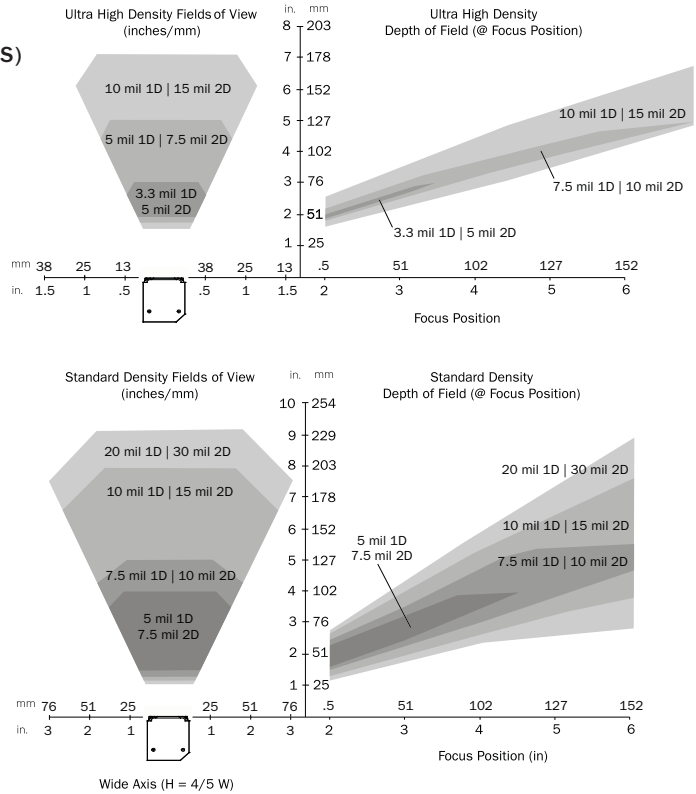


MICROSCAN[®]

QUADRUS[®] MINI VELOCITY SPECIFICATIONS AND OPTIONS



READ RANGES (GRAPHS AND TABLES)



MECHANICAL

Height: 1" (25.4 mm) **Width:** 1.80" (45.7 mm)
Depth: 2.10" (53.3 mm) **Weight:** 2-oz (57 g)

ENVIRONMENTAL

Enclosure: IP54 (category 2)
Humidity: up to 90% (non-condensing)
Operating Temperature: 0° to 40°C (32° to 104°F)
Storage Temperature: -50° to 75° C (-58 to 167°F)

CE MARK

General Immunity for Light Industry:
 EN 55024: 1998 ITE Immunity Standard
Radiated and Conducted Emissions of ITE Equipment: EN 55022:98 ITE Disturbances

LIGHT SOURCE

Type: High output LEDs

LIGHT COLLECTION OPTIONS

Progressive scan, square pixel. Software adjustable shutter speed, electronic shutter
WVGA: 752 by 480 pixels



SYMBOLGY TYPES

2D Symbolologies: Data Matrix (ECC 0-200), QR Code
Stacked Symbolologies: PDF417, Micro PDF417, GS1 Databar (RSS - Composite & Stacked)
Linear Bar Codes: Code 39, Code 128, BC 412, I2 of 5, Pharmacode, UPC/EAN, Codabar, Code 93
Q-Mode Option: Micro QR Code, Aztec Code, Postal Codes

READ PARAMETERS

Pitch: ±30° **Skew:** ±30° **Tilt:** 360°
Decode Rate: Up to 60 decodes per second
Focal Range: 1.3 to 10" (33 to 254 mm) (autofocus)

CONNECTOR

Type: 3 ft. cable terminated with High Density 15-pin D-Sub socket connector or USB

INDICATORS

LEDs: Read Performance, Power, Read Status
Green Flash: Good read **Blue V:** Symbol locator
Beeper: Good read, match/mismatch, noread, serial command confirmation, on/off

COMMUNICATION PROTOCOLS

Standard Interface: RS-232, RS-422 or USB

ELECTRICAL

Power: 5 VDC +/- 5 %, 200 mV p-p max. ripple, 530 mA @ 5 VDC (typ.)
Optional Int.: 10-28 V Accessory

Narrow-bar-width		Field of View (maximum)	Read Range (using autofocus)
1D	2D		
Ultra High Density			
.0033" (0.08 mm)	.005" (.13 mm)	1.1" (29 mm)	1.9 to 3.0" (48 mm to 76 mm)
.0005" (0.13 mm)	.075" (1.9 mm)	1.8" (45 mm)	1.8 to 5.0" (46 mm to 127 mm)
.010" (0.25 mm)	.015" (.38 mm)	2.5" (64 mm)	1.6 to 7.0" (41 mm to 178 mm)
Standard Density			
.005" (0.13 mm)	.0075" (.19 mm)	2.7" (69 mm)	1.7 to 3.4" (43 mm to 86 mm)
.0075" (0.19 mm)	.010" (.25 mm)	3.7" (93 mm)	1.6 to 5.0" (41 mm to 127mm)
.010" (0.25 mm)	.015" (.38 mm)	4.7" (118 mm)	1.4 to 8.0" (36 mm to 203 mm)
.020" (0.51 mm)	.030" (.76 mm)	5.3" (136 mm)	1.3 to 9.3" (33 mm to 236 mm)

Q-mode units used for data collection. Data subject to change.

HOST CONNECTOR/PIN ASSIGNMENTS

High Density 15 Pin D-sub Socket Connector

Pin No.	Host RS232	Host/Aux RS232	Host RS422/485	In/Out
1	Power +5 VDC			In
2	TxD	TxD	TxD(-)	Out
3	RxD	RxD	RxD(-)	In
4	Power/Signal Ground			
5	NC			
6	RTS	Aux TxD	TxD(+)	Out
7	Output 1 TTL ^a			Out
8	Default configuration ^b			In
9	Trigger			In
10	CTS	Aux RxD	RxD (+)	In
11	Output 3 TTL ^a			Out
12	New Master (NPN)			In
13	Chassis ground ^c			
14	Output 2 TTL ^a			Out
15	NC			

a. Can sink 10 mA and source 10 mA.
 b. The default is activated by connecting pin 8 to ground pin 4.
 c. Chassis ground: Used to connect chassis body to earth ground only. Not to be used as power or signal return.

DISCRETE I/O

Trigger Input: 5 to 28 vdc rated (.16 mA)
New Master: 5 to 28 vdc rated (.16 mA)
Outputs (1, 2, 3): 5V TTL compatible, can sink 10 mA and source 10mA
Optional I/O: Optoisolated (with IC-332 accessory)

SAFETY CERTIFICATIONS DESIGNED FOR

FCC, UL/cUL, CE, CB



ISO 9001:2000 Certified QMS

ROHS/WEEE COMPLIANT

ISO CERTIFICATION

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

©2008 Microscan Systems, Inc. Rev. C 02/08

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**—One year limited warranty on parts and labor. Extended warranty available.

MICROSCAN[®]

Microscan Systems, Inc.

Tel 425 226 5700 / 800 251 7711

Fax 425 226 8250

Microscan Europe

Tel 31 172 423360 / Fax 31 172 423366

Microscan Asia Pacific R.O.

Tel 65 6846 1214 / Fax 65 6846 4641

Part of a full range of sales tools available from our website:

www.microscan.com

E-mail: info@microscan.com

Tech Support: helpdesk@microscan.com