Model MS9544
(shown without stand)

Model MS9524

Voyager*PDF*™ is a handheld bar code scanner capable of decoding all standard 1D, 2D (PDF417), RSS and composite symbologies.

Sunrise 2005 Compliant

MS9524/MS9544 Voyager*PDF*™

Features

Models MS9524 and MS9544

- **Decodes 1D & 2D (including RSS, PDF417, PDF417 truncated, micro PDF and macro PDF) bar codes**
- **Automatic trigger operation**
- **180 scans per second**
- **User-replaceable, single cable interface to host**
- **Auto stand detect**
- **Firmware updates via Flash ROM**

Model MS9544 Only

- **CodeGate® data transmission technology ideal for menu scanning**

Metrologic's Voyager*PDF* is feature rich and offers the same outstanding performance found in all Voyager Series scanners. What differentiates the Voyager*PDF* scanner is its added ability to decode 2D codes such as PDF417, PDF417 truncated, micro PDF, macro PDF and RSS-14 composite bar code symbologies.

Voyager*PDF* decodes PDF417 by sweeping the high-speed laser scan line up or down over the code gathering information from each line. Integrating a high performance processor with software designed to optimize 2D performance, we created a product with exceptional scan performance. PDF codes are emerging in a variety of markets and in a multitude of applications. Many government agencies are incorporating PDF codes on driver's licenses and automobile registration cards. These cards will assist retailers with age verification particularly helpful in preventing the sale of tobacco or alcohol products to underage persons. Other applications utilizing PDF codes include national identification cards, e-Stamps, pharmaceutical and customer loyalty cards.

Two models of VoyagerPDF are available: MS9524 and MS9544. Both offer the same set of outstanding features with the MS9544 being enhanced with Metrologic's patented CodeGate feature. CodeGate is used when decoding 1D bar codes. This feature allows data to be transferred to the host system quite easily. Simply aim the laser line on the selected bar code, click the button, and the data is sent.

MS9524/MS9544 Voyager*PDF*™

OPERATIONAL

Light Source	Visible Laser Diode 650 nm ± 10 nm
Laser Power	0.96 mW (peak)
Depth of Scan Field (programmable)	0 mm - 203 mm (0" - 8") for 0.33 mm (13 mil) bar codes
Width of Scan Field	64 mm (2.5") @ face; 249 mm (9.8") @ 203 mm (8.0")
Scan Speed	180 ± 10 scan lines per second
Scan Pattern	Single scan line
Minimum Bar Width	0.127 mm (5.0 mil)
Decode Capability	Autodiscriminates all standard 1D and 2D bar codes, RSS-14, PDF417, truncated PDF417, micro PDF and macro PDF; for other symbologies call Metrologic
System Interfaces	PC Keyboard Wedge, RS232, OCIA, Light Pen Emulation, Non-decode Emulation, IBM 468X/469X, Stand Alone Keyboard, USB (low speed and full speed)
Print Contrast	35% minimum reflectance difference
Number Characters Read	Up to 80 data characters on 1D; 1850 text characters for PDF417
Roll, Pitch, Yaw	42°, 68°, 52°
Beeper Operation	7 tones or no beep
Indicators (LED)	Blue = laser on, ready to scan; yellow = auto trigger mode active White = good read

MECHANICAL

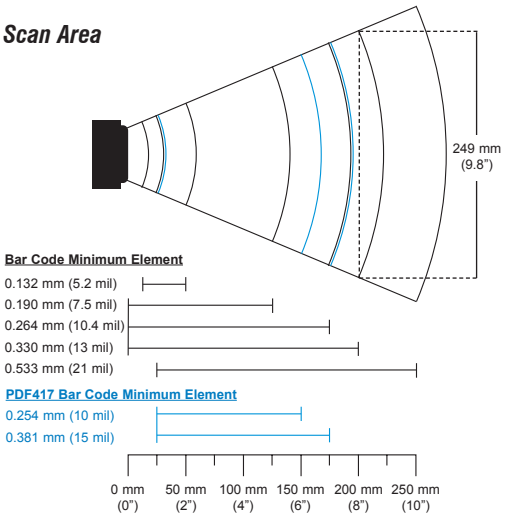
Height	198 mm (7.8")
Depth	40 mm (1.6")
Width	Handle - 45 mm (1.8"); Head - 78 mm (3.1")
Weight	149 g (5.25 oz)
Termination	10 pin modular RJ45
Cable	Standard 2.7 m (9') coiled; optional 2.1 m (7') straight

ELECTRICAL

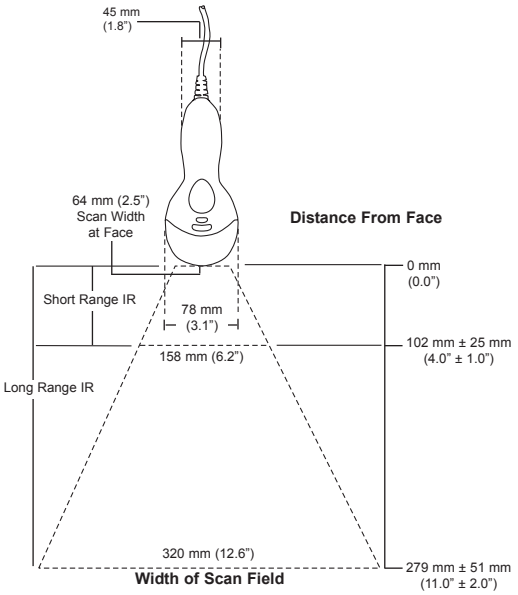
Input Voltage	5.2 VDC ± 0.25 V
Power - Operating	1500 mW
Power - Standby	750 mW
Current - Operating	300 mA typical @ 5.25 VDC
Current - Standby	100 mA typical @ 5.25 VDC
DC Transformers	Class 2; 5.2 VDC @ 650 mA
Laser Class	CDRH: Class II; IEC 60825-1:1993+A1:1997+A2:2001
EMC	FCC, ICES-003 & EN55022 Class B

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
Light Levels	Up to 4842 Lux (450 footcandles)
Shock	Designed to withstand 1.5 m (5') drops
Contaminants	Sealed to resist airborne particulate contaminants

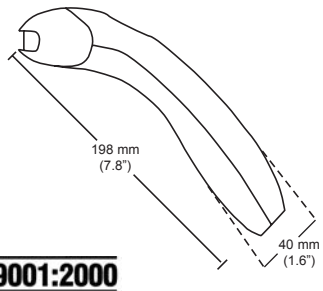
Scan Area



IR Activation and Scan Width



Dimensions



Voyager*PDF* is available in the following colors

Pearl White **Light Grey** **Black**

Sample only, actual colors may vary

USB UNIVERSAL SERIAL BUS

c UL us LISTED

CAUTION

ISO 9001:2000

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DS9544