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

## MS9544 VoyagerPDF™

### Features

- **Decodes 1D & 2D (including RSS, PDF417 and PDF417 truncated) bar codes**
- **Automatic trigger operation**
- **Bright easy to see, easy to aim laser line**
- **CodeGate® data transmission technology ideal for menu scanning**
- **User-replaceable, single cable interface to host**
- **Adjustable stand with auto stand detect**
- **Hands free or hand held operation**
- **Firmware updates via Flash ROM**
- **Supports commonly used interfaces including USB**
- **Easy programming using Windows® software or bar codes**
- **OPOS and JPOS system compatible**

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

VoyagerPDF 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 PDF417 performance, Metrologic engineers have produced 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.

For decoding linear codes Metrologic's patented auto trigger and CodeGate button features are used. Simply aim the laser line on the selected bar code, click the CodeGate button, and the data is transferred to the host. In addition, VoyagerPDF has built-in Flash ROM providing a fast, easy-to-use method for updating your bar code scanner with the latest features.



## 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                         | 210 ± 10 scan lines per second   |
| Scan Pattern                       | Single scan line   |
| Minimum Bar Width                  | 0.127 mm (5.0 mil)   |
| Decode Capability                  | Autodiscriminates all standard 1-D bar codes, RSS-14, PDF417 and truncated PDF417; 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<br>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 |
| Ventilation           | None required                                      |

VoyagerPDF is available in the following colors



Pearl White



Light Grey

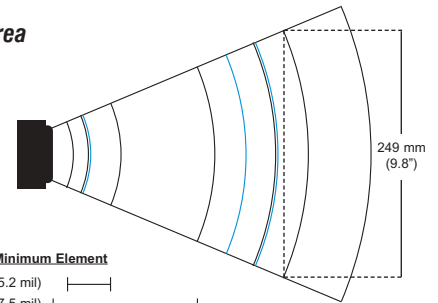


Black

Sample only, actual colors may vary



## Scan Area



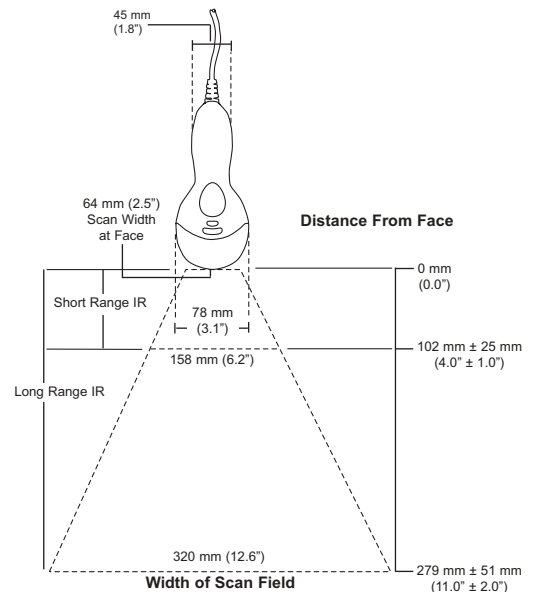
### Bar Code Minimum Element

|                     |  |
|---------------------|--|
| 0.132 mm (5.2 mil)  |  |
| 0.190 mm (7.5 mil)  |  |
| 0.264 mm (10.4 mil) |  |
| 0.330 mm (13 mil)   |  |
| 0.533 mm (21 mil)   |  |

### PDF417 Bar Code Minimum Element

|                   |  |
|-------------------|--|
| 0.254 mm (10 mil) |  |
| 0.381 mm (15 mil) |  |

## IR Activation and Scan Width



## Dimensions

