OPTICON

Product Catalog
Barcode Scanning Solutions

H-27 Rugged Android Mobile Device

What's New from Opticon!

PX-20

Mobile Solutions

- H-27: Rugged Android™ enterprise terminal with 1D laser or 2D imager
- H-32: Rugged Windows Embedded Compact 7 mobile device with 1D laser or 2D imager

Companion Scanners

- OPN-4000i: 1D CCD Bluetooth companion scanner that supports Apple MFi
- PX-20: 2D imager Bluetooth companion scanner for Android, Apple and Windows devices

Handheld Solutions

- OPH-1005: Small, rugged mobile computer featuring a vibrant color display
- OPL-9813: GPS, Bluetooth data collector with easy 3-key operation and backlit display
- OPL-9815: GPS, Bluetooth data collector with 18-key operation and backlit display

OPL-9815

Fixed Position Solutions

- NLV-3101: World's most compact fixed mount 2D imager in its class

OEM Solutions

- MDC-100/MDC-200: Small form factor, low power, high speed CCD barcode scan engine
- MDI-3100: 2D CMOS imager scan engine featuring an integrated camera and decoder in an ultra-miniature module

MDI-3100

Opticon Designs and Manufactures a Broad Portfolio of Data Capture Products

Develop high quality, cost-effective solutions with the broad portfolio of data capture products available from Opticon. From handheld scanners to Android mobile devices, and from USB and Bluetooth companion scanners to OEM scan engine modules, your customers in retail, healthcare, warehousing, manufacturing and transportation will be more productive and profitable when you work with Opticon.

About Opticon

Opticon is a pioneer in developing and manufacturing world class 1D laser, 2D imaging and CCD barcode scan engines. Since 1976, Opticon's engines have powered a broad portfolio of data capture products and accessories enabling VARs, ISVs, carriers and OEMs to deliver robust, dependable and affordable data capture solutions. For more information, visit www.opticonusa.com.

Rugged Mobile Devices & Terminals

Featured Opticon mobility products are listed below. To view the complete product line and detailed specifications, visit www.opticonusa.com.

View all Mobile Solutions Online ▶

H-22 Windows Mobile 6.5.3 Mobile Device

- Durable, rugged design with a 3.7" color touch screen
- Choice of 1D laser or 2D imager barcode scan engine
- GPRS/EDGE (quad-band 850/900/1800/1900), 3G UMTS (WCDMA band 1,II,V,VI), 3.5G UMTS (HSDPA 7.2M / HSUPA 5.76 M)
- QWERTY or numeric keypad
- IP65 rating – withstands 5' drop to concrete
- Integrated AGPS, Wi-Fi and Bluetooth
- 3.2 MP color camera

H-21 Windows Mobile 6.5 Mobile Device

- Field proven, 2.8" color touch screen
- Choice of 1D laser or 2D imager barcode scan engine
- GPRS/EDGE (quad-band 850/900/1800/1900), 3G UMTS (WCDMA band I,II,V,VI,VIII), 3.5G UMTS (HSDPA 7.2M / HSUPA 5.76 M)
- QWERTY or numeric keypad
- IP64 rating – withstands 5' drop to concrete
- Integrated AGPS, Wi-Fi and Bluetooth
- 3.2 MP color camera

H-27 Android Enterprise Terminal

- Android 4.2.2 for familiar and convenient navigation
- Choice of 1D laser or 2D imager barcode scan engine
- Qualcomm® Snapdragon™ S4 MSM8960 Dual core Krait 1.5GHz CPU
- 4.3" brilliant color touchscreen display with Gorilla® Glass, and anti-reflective coating
- Bluetooth 4.0, Wi-Fi (802.11 a/b/g/n), WWAN (2.5G/3.5G), AGPS, NFC, USB and Infrared
- IP65 rating – withstands 5' drop to concrete
- Rear facing 5.0 MP color camera

Next Steps

For more information or to schedule a demo, contact Opticon.
Email: sales@opticonusa.com
Phone: 1.800.636.0090

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Companion Scanners

Featured Opticon Companion Scanners are listed below. To view the complete Opticon product line and detailed specifications, visit our website at www.opticonusa.com

View all Companion Scanners Online ▶

OPN-3002i/n 2D Imager Bluetooth Companion Scanner

- Small Bluetooth 2D imager barcode scanner
- Supports Apple iOS in MFi mode and HID and SPP Bluetooth profiles for Android or Windows
- Easily reads 1D or 2D barcodes
- Internal, long life battery is rechargeable via USB
- Small form factor - weighs only 2 ounces, 3.27 (L) x 1.42 (W) x 0.85 (D) inches
- All companion scanners backed by a two year warranty

OPN-2006 1D Laser Bluetooth Companion Scanner

- Compact Bluetooth scanner that is customizable
- Enables wireless, real-time scanning into host devices
- Fully programmable with SDK from Opticon
- Price point makes real-time barcode scanning with an Android, Apple, or Windows Mobile host device affordable.
- Supports HID and SPP Bluetooth profiles for added flexibility.
- High speed, 100 scans / second laser scanner

OPN-2004 1D Laser USB Batch Companion Scanner

- Affordable, simple to use USB batch scanner
- Fully programmable with SDK from Opticon
- Small - weighs only 1.1 oz.
- 100 scans / second laser scanner
- Stores over 10,000 barcodes plus timestamps
- Most affordable batch USB scanner
- Long life battery with battery charging and data transfer through USB

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Handheld Solutions

Featured Opticon handheld solutions are listed below. To view the complete Opticon product line and detailed specifications, visit our website at www.opticonusa.com

OPI-3601 Cabled 2D CMOS Imager

- Full spectrum illuminated imager
- Improved scanning of curved, wide and poorly printed barcodes
- Easily reads 1D or 2D barcodes
- Durable – withstands 5' drop to concrete and IP 42 rating
- RS232, Keyboard Wedge or USB
- Stand included

OPL-9813 GPS Bluetooth Laser Data Collector

- Batch data collection or Bluetooth real-time data transfer
- GPS and real time clock for location and time stamping
- 512 KB of flash ROM; 512 KB of RAM
- Easy 3 key operation
- 48 hours minimum standby time

OPL-9815 GPS Bluetooth Laser Data Collector

- Batch data collection or Bluetooth real-time data transfer
- GPS and Real Time Clock for location and time stamping
- 18-key keypad and monochrome 112x64 pixel LCD screen with backlight
- IP54 rating against dust and moisture, withstands 5' drop to concrete
- Enhanced numeric keypad

OPR-2001 Ultra-Lightweight Laser Scanner

- Slim, lightweight (2.1oz), yet durable (IP42; withstands 5' drop to concrete)
- 100 scans / second
- Trigger modes: manual, auto-trigger, and stand detection—perfect for retail
- RS232, keyboard wedge or USB
- Stand included

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Fixed Position Solutions

Featured Opticon fixed position solutions are listed below. To view the complete Opticon product line and detailed specifications, visit www.opticonusa.com

View all Fixed Position Solutions Online ▶

M-10 Omnidirectional Presentation Scanner

- Stylish, space-saving design that easily fits any workspace or retail counter
- Easily and quickly reads 1D or 2D barcodes
- Omnidirectional scanning via 60 fps 2D imager
- Features LED aiming and auto or manual trigger activation
- USB (HID and COM) and RS232 interfaces
- Small countertop footprint: 5.47 x 2.83 x 2.76 in (HxWxD)

NLV-3101 2D CMOS Fixed Position Imager

- World's most compact fixed position 2D imager in its class
- Fast global shutter technology with auto exposure
- Exceptional motion tolerance for moving applications
- Improved scanning of curved, wide and poorly printed barcodes
- Complete unit with integrated decoder
- IP65 rating for water and dust protection and shock resistant

Digital Signage and Electronic Shelf Labeling (ESL)

- E-paper based displays or full color TFT screen with complete content flexibility
- Ideal solution for retail stores, corporate buildings, healthcare and logistics
- Centralized administration of displays and tags with full visibility
- Displays can interactively adapt to context and audience
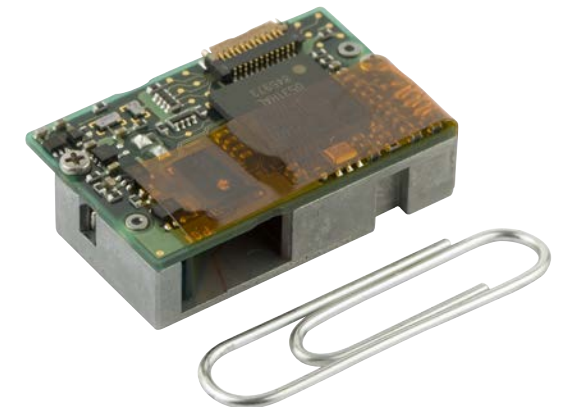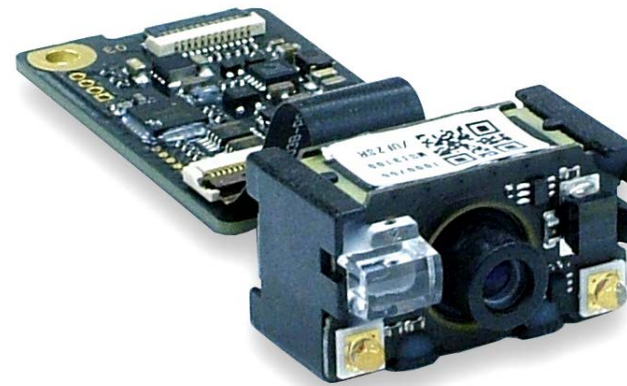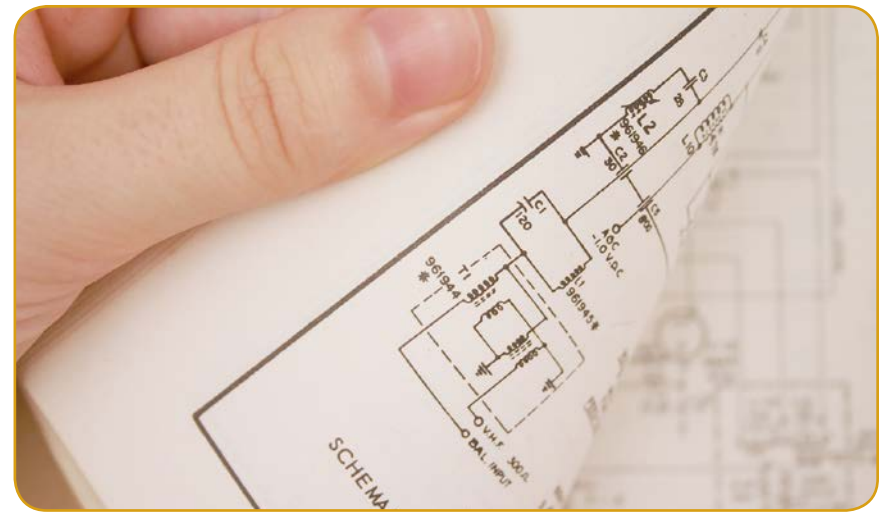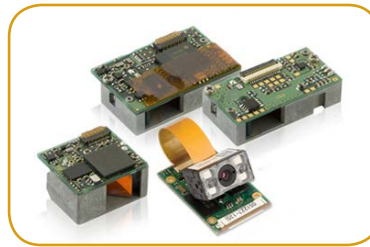- Ensures accurate pricing and product information

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OEM Solutions

Featured Opticon OEM solutions are listed below.
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View all OEM Solutions Online ▶

MDI-3100 2D CMOS Imager Scan Engine

- Features an integrated camera and decoder in an ultra-miniature module
- High-speed performance ensures stress free scanning and fast response without being affected by hand movement and light conditions
- Data editing program function captures up to 16 codes on multiple images simultaneously
- Very low power consumption
- Easy aiming and long-life with sharp, single line LED

MDI-3000 2D CMOS Imager Scan Engine and Decorder Board

- Separated camera and decoder board offers ultra-miniature size
- Alternative form factor solution to the MDI-3100 with similar features and functions
- CMOS image sensor that rapidly reads 1D and 2D barcodes
- Fast global shutter technology offering exceptional motion tolerance for moving applications
- Drastically reduced power consumption

MDC-100/MDC-200 CCD Barcode Scan Engines

- 300 scans/second CCD barcode scan engines
- Small form factor, low power consumption
- MDC-100: 0.90" x 0.59" x 0.35" (WxDxH)
- MDC-200: 0.90" x 0.59" x 0.30" (WxDxH)
- Perfect for integration into small, space-constrained mobile, medical, or retail barcode scanning devices
- Engineering kits available with all scan engines – enables faster time to market

MDL-1000 Laser Barcode Scan Engine

- Small form factor
- Fast 100 scans/second
- Programmable software with more than 100 options
- Scans bi-directionally
- Small size makes it easy to mount
- Perfect for integration into space-constrained mobile devices
- All OEM solutions backed by two year warranty

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