

# Specifications OPN-2001

---

<b>Light source</b>	650 nm visible laser diode
<b>Depth of field</b>	60 - 570 mm (res. 1.0 mm / 39 mil), 40 - 360 mm (res. 0.5 mm / 20 mil) 40 - 220 mm (res. 0.25 mm / 10 mil) 40 - 120 mm (res. 0.15 mm / 6 mil) 50 - 100 mm (res. 0.127 mm / 5 mil) at PCS 0.9, UPC
<b>Scan rate</b>	100 Scans/sec
<b>Resolution</b>	0.127 mm / 5 mil
<b>Pitch Angle</b>	-30 to 0°, 0 to +30°
<b>Roll (Tilt) Angle</b>	-20 to 0°, 0 to +20°
<b>Skew (Yaw) Angle</b>	-50 to -8°, +8 to +50°
<b>Reading Indicators</b>	1 LED (red/green/orange)
<b>Communication</b>	USB - Ver. 1.1, HID/VCP, Mini USB connector JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey, Composite Codes, MicroPDF 417, PDF 417
<b>Symbologies supported</b>	CPU: ARM 7 32-bit Proprietary OS
<b>Operation</b>	RTC: Supports year, month, day, hour, minute, second (leap year supported)
<b>Memory</b>	FlashROM: 512Kb (Program Storage + > 15000 Barcodes + time stamp RAM: 64Kb Rechargeable Battery: Lithium-ion 3.7V 159mAh
<b>Power</b>	Operating time: 1000 scans (1 Scan/5 sec) Data retention time: +/- 72 hours Charged through the USB
<b>Input Current</b>	Max. 150 mA
<b>Operating Temperature</b>	-5 to 50 °C
<b>Storage Temperature</b>	-20 to 60 °C
<b>Operating Humidity</b>	20 - 85 % (non-condensing)
<b>Storage Humidity</b>	10 - 90 % (non-condensing)
<b>Drop Test</b>	1.5 m / 5 ft drop onto concrete surface
<b>Vibration Test</b>	12 - 100 Hz with 2G for 1 hour
<b>Warranty</b>	2 Year limited Factory Warranty (not on cable)
<b>Dimensions (W x H x D)</b>	Scanner 32 x 62 x 16 mm
<b>Weight</b>	Scanner 28 g
<b>Product Compliance</b>	CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA

