



# NOVA N-4080i

**On-Counter Presentation  
Area Imager Barcode Scanner**

**SCANTECH ID**  
CHAMPTEK Group

## Introduction

The NOVA N-4080i is an area imager bar code scanner, it uses digital imaging technology to provide intuitive and blazing reading of 1D and 2D bar codes without sacrificing scanning quality or performance. The N-4080i reader provides great performance and reliability along with a rich feature set to provide excellent value in virtually any desktop presentation barcode scanning system. With the N-4080i, not only can identify product pricing barcode label, furthermore, it is able to scan virtually any mobile bar code on various types of display to enhance service levels.

When space is limited but high performance is required, its compact size and footprint make it the ideal solution for space-constrained environments. Its precise imaging scan volume is perfect for hands-free scanning in confined spaces and helps reduce accidental misreads of items, improving productivity and customer satisfaction.

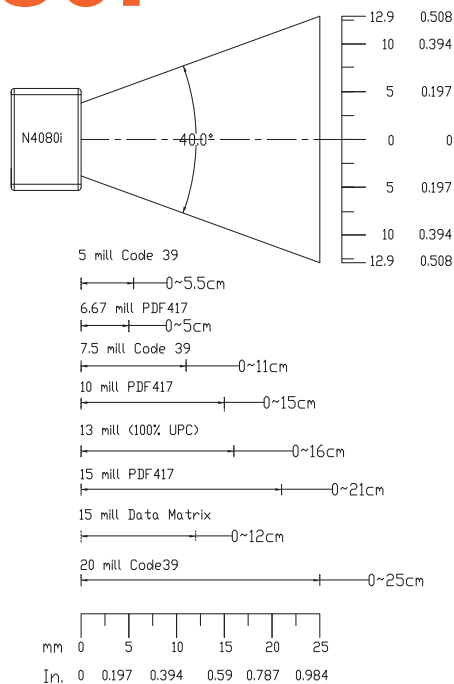
The N-4080i reader includes a powerful configuration tool which allows easy integration into existing or new host systems, and allows management to manage maintenance.

## Features

- Read the most common 1D, 2D, composite and stacked codes, reduce your investment cost.
- Boost customer services with good ability to scan virtually mobile bar code on various types of display.
- With the most compact footprint can fit in the most space constrained areas.
- Best cost-effective investment.
- With internal RF antenna which could connect with EAS deactivation system for deactivation purpose.

# NOVA N-4080i

## Reading Range



## Specifications

### Physical Characteristics

|              |   |
|--------------|---|
| Body Weight  | Approx. 572g                                    |
| Dimension    | Scanner: 152.07mm(W) x 152.02mm(H) x 90.22mm(L) |
| Cable Length | USB (300cm); RS232 (200cm)                      |
| Material     | PC + ABS  |
| Connector    | RJ48  |
| Interface    | RS-232, USB( HID or Virtual COM.)               |
| Indicators   | Beeper and LED (Orange=good read, Blue=standby) |

### Performance

|                            |  |
|----------------------------|--|
| Light Source               | Visible red light 625nm LED                    |
| Scan Speed                 | 60 images per second                           |
| Resolution                 | 752(H) x 480(V) pixels                         |
| View of Field              | 40° Horizontal, 25° Vertical                   |
| Forward & Backward (Pitch) | ±60° (from front to back)                      |
| Left & Right (Skew)        | ±60° (from plane parallel symbol side-to-side) |
| Rotational Tolerance       | ±180°  |

### Electrical Characteristics

|                  |                 |                           |
|------------------|-----------------|---------------------------|
| Interface        | RS232           | USB (HID or Virtual COM.) |
| Supply Voltage   | DC Adaptor(+5V) | USB Power                 |
| Stand by (Typ.)  | 230 mA          | 230 mA                    |
| Operation (Typ.) | 460 mA          | 460 mA                    |

### Environmental

|                   |                             |
|-------------------|-----------------------------|
| Operating Temp.   | (32°F to 122°F)             |
| Storage Temp.     | -4°F to 158°F               |
| Relative Humidity | 20% to 95% (Non-condensing) |
| Ambient Light     | 100,000 Lux Max. (Sunlight) |

### Reliability

|                    |   |
|--------------------|---|
| Life Time          |   |
| MTBF (Calculated)  | 50,000 hours                                      |
| Cable Bending Test | 25,000 times minimum<br>(30 times/min @ 500g/90°) |


### Readable Symbologies

#### 1D Symbologies

EAN/UPC,UCC/EAN128, ISBN, ISBT, Code 11, Code 39, Code 93/93i, Code 128, Interleaved, Matrix, Industrial, Standard 2 of 5, Codabar, MSI, Plessey, Telepen, Postal codes, GS1 DataBar

#### 2D Symbologies

Data Matrix, Data Matrix Inverse, PDF417, Micro PDF 417, Maxicode, QR code, QR code Inverse, Aztec (& Inverse), EAN. UCC composite, MicroQR code

CE, FCC and RoHs compliant 

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.