



# NOVA N-4082i

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

**SCANTECH ID**<sup>®</sup>  
CHAMPTEK Group

## Introduction

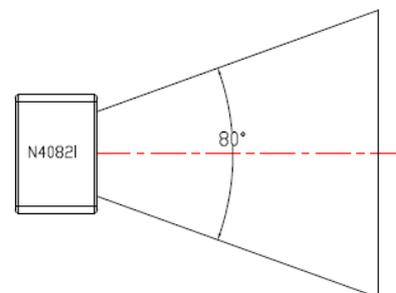
The NOVA N-4082i is an on counter area imager bar code scanner, it uses digital imaging technology to provide intuitive and blazing reading of 1D and 2D bar codes without sacrificing scanning quality or performance. The N-4082i reader provides great performance and reliability along with a rich feature set to provide excellent value in virtually any desktop presentation barcode scanning system. With the N-4082i, 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.

The N-4082i reader includes a powerful configuration tool which allows easy integration into existing or new host systems. Its precise imaging scan volume is perfect for hands-free scanning in confined spaces and helps reduce accidental misreads of items, provides instant and accurate scanning, making the checkout process more efficient for you and more convenient for your customers.

## Features

- Read most 1D, 2D, composite and stacked codes, reduce your investment cost.
- Wider reading field of view in its class.
- Sharp wake-up detection.
- Boost customer services with good ability to scan mobile bar code on various types of display.
- Great reading performance and best cost-effective investment.
- The back bracket supports wall or on-counter mount for easy installation.
- Touchscreen button for Activation & Volume adjustment.
- With internal RF antenna which could connect with EAS deactivation system for deactivation purpose.

# NOVA N-4082i



## Reading Range



## Wall Mount/Desk Mount Back Bracket

4 mill Code 39	0~3cm
5 mill Code 39	0~4cm
10 mill Code 39	0~10cm
20 mill Code 39	0~15cm
20 mill QR Code	0~10cm
20 mill PDF417	0~10cm
20 mill Data Matrix	0~10cm

mm	0	5	10	15	20	25
In.	0	0.197	0.394	0.59	0.787	0.984

## 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	1280 (H) x 800 (V) pixels
View of Field	80° Horizontal, 55° Vertical
Forward & Backward (Pitch)	±60° (from front to back)
Left & Right (Skew)	±60° (from plane parallel symbol side-to-side)
Rotational Tolerance	±180°
EAS deactivation	Built in EAS RF antenna

### 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.)	470 mA	470 mA

### Environmental

Operating Temp.	0°C/32°F to 50°C/122°F
Storage Temp.	-20°C/-4°F to 70°C/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 (30 times/min @ 500g/90°)

### Readable Symbologies

**1D Symbologies**  
 UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, ISSN, UCC Coupon Extended Code, Code 39, Code 39 Full ASCII, Code 128, Interleaved 25, Industrial 25, Matrix 25, Codabar/NW7, Code 93, China Post, MSI/Plessey, Telepen, GS1 Databar Omni-directional, GS1 Databar Limited, GS1 Databar Expanded

### Postal Code

Postal 4-state codes, include USPS Intelligent Mail, USPS POSTNET and PLANET, Royal Mail Customer, Australia Post, Japan Post and KIX codes

### 2D Symbologies

QR code, MicroQR, Data Matrix, Aztec, PDF417, MicroPDF417, Maxicode and Dotcode

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.