

The NFT 7175 scans and decodes bar codes at high speed. The I-type needs space for 55 mm width and 20 mm height, the L-type dimensions are 47 mm width and 55 mm height. An added feature of this fixed mount scanner is the barcode stitching technology. The NFT7175 is able to combine several partial scans of one label, until it is possible to create a complete barcode.

1D CCD

# NFT 7175

CCD Scanner 700 Scans/Decodes



## Features

- Sheet metal housing
- RS232 interface
- Available as I-type and L-type
- Configurable by bar code configuration manual
- Scan rate up to 700 scans per second
- Barcode stitching feature

## Benefits

- Rugged scanner
- Compatible with almost any device
- 2 Different mounting positions possible
- A variety of parameters can be set
- Fast decoding of both wide and small barcodes
- Possibility to scan a rotated barcode

Cabled

Wireless

Stationary

OEM

**OPTICON**  
always scanning for new ID's

# Specifications

## NFT 7175 CCD Scanner 700 Scans/Decodes

### Electrical specifications

Voltage requirement	5V ± 5%
Current consumption	220 mA, typical use
Rush current	3 A max.
Idle current	150 mA, typical use

### Optical specifications

Light source	660 nm red LED
Photo sensor	CCD linear sensor
Scan rate	700 scans/sec
Decode rate	700 decodes/sec
Focal plane	35 mm
Reading width	80 mm
Min. Resolution at PCS 0.9	0.2 mm (0.15mm at 60 mm reading length)
Min. PCS value	0.45
Depth of field	approx. 30 - 42 mm (approx. -5 to +7 mm from focal plane)

### Identification

Supported barcode symbologies	(These symbologies are also supported for barcode stitching) Codabar - Code 39 - Code 93 - Code 128 - EAN-8, incl. +2,+5 - EAN13, incl. +2, +5 - IATA - Industrial 2of5 - Interleaved 2of5 - MSI/Plessey - UPC-A, incl. +2, +5 - UPC-E, incl. +2, +5
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### Functionality

Trigger mode	external hardware trigger, serial software trigger
Configuration	parameters can be set by RS 232 or menu book
Interface	RS232

### Barcode stitching specifications

Maximum label speed	up to 49 cm/sec.
Maximum label length	Maximum 180 samples can be stitched. For example: For Code39 the maximum is 16 characters. / one character = 5 bars + 5 spaces = 10 / one code = 1 start + 16 data + 1 stop = 18 / total samples = 10 x 18 = 180 samples.
Maximum label rotation	At least 4 bars should be seen in one partial read. The maximum angle is dependent on the symbology, data and resolution.

### Environmental specifications

Temperature in operation	0 - +40 °C
Temperature in storage	-10 - +60 °C
Humidity in operation	20 - 80 % (non condensing)
Humidity in storage	20 - 90 % (non condensing)
Ambient fluorescent light	3.000 lux max
Ambient direct sun light	10.000 lux max
Shock drop test	60 cm onto concrete surface
Shock packed drop test	150 cm onto concrete surface
Shock vibration test	12 - 100 Hz with 2G for 3 hours

### Physical specifications

Dimensions	I-type : (l x w x h) 55 x 47 x 20 mm, L-type : (l x w x h) 52 x 55 x 20 mm
Case material	sheet metal
Weight body	100 g (excl. cable)
Connector RS232	DB25 F

### Regulatory

EMC	EN 55022, EN 55024
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