

The NFD 1267 is a 2D reader. This engine reads both 1D and 2D codes. It reads omnidirectional, so orientation of the code is not needed, both 1D and 2D codes will be recognized in any direction. The scan engine can easily read standard and high-resolution labels.

2D

NFD 1267

2D reader



Features

- Supports 1D and 2D codes
- Available with RS232 interface
- Zinc-dicast housing (IP65)

Benefits

- Autodiscrimination between linear barcode and bi-directional code symbologies
- Compatible with almost any device
- Durable housing, secured protection (water resistant)

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

NFD 1267 2D reader

Electrical specifications

Voltage requirement 5V $\pm$ 10%

Optical specifications

Light source 4 red LEDs 630 nm
Scan method CMOS area sensor (monochrome)
Photo sensor 640(H)x480(V) pixels, effective 660(H)x492(V)
Target indicator 2 Red LED pointers
Reading pitch angle $\pm 35^\circ$
Reading skew angle $+10^\circ$ - $+45^\circ$, -10° - -45°
Reading rotation angle 360°
Curvature $R > 15$ (at EAN8), $R > 20$ (at EAN13)
Reading range HxV: at 50mm = 25x34mm, at 100mm = 45x62mm, at 200mm = 86x117mm, at 300mm = 126x173mm
Min. Resolution at PCS 0.9 1D: 0.127 mm (5 mil), 2D: 0.169 mm - 0.889 mm depending on symbology
Min. PCS value 0.45
Depth of field 27 - 297 mm, depending on reading distance, code label resolution and barcode symbology

Identification

Supported barcode symbologies Codabar - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - EAN-8 incl. +2,+5 - EAN-13 incl. +2,+5 - EAN-128 - IATA - Industrial 2of5 - Interleaved 2of5 - MSI/ Plessey - UPC-A incl. +2,+5 - UPC-E incl. +2,+5
Supported 2D code symbologies PDF417 - QR code - Data Matrix (ECC200) - Maxi Code (mode 2-5)

Functionality

Trigger mode manual, external hardware trigger, serial software trigger
Control and status I/O Goodread output, type: NPN - open collector, max. voltage 24V, max. current 30mA
Interface RS232 supported
Interface USB on request

Environmental specifications

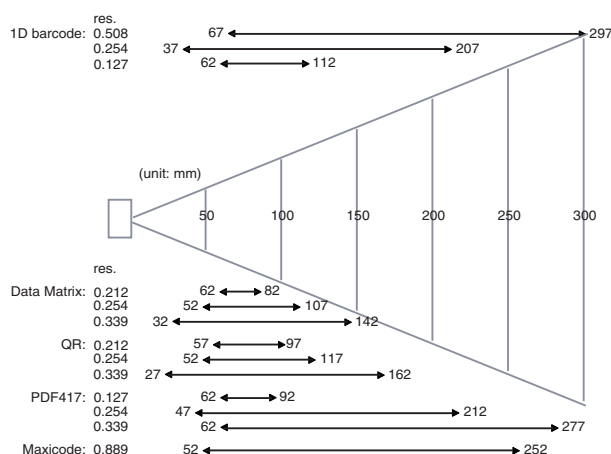
Temperature in operation 0 - $+40^\circ\text{C}$
Temperature in storage -10° - $+60^\circ\text{C}$
Humidity in operation 20 - 80 % (non condensing)
Humidity in storage 20 - 90 % (non condensing)
Ambient fluorescent light 10.000 lux max.
Ambient direct sun light 100.000 lux max.
Shock drop test 75 cm drop onto concrete surface
Shock packed drop test 1.5 m drop onto concrete surface
Shock vibration test 12 - 100 Hz with 2G for 1 hour
Protection against dust and moisture IP 65

Physical specifications

Dimensions (l x w x h) 24,5 x 60 x 78 mm
Case material Zinc diecast
Weight body ca. 200 g (excl. cable)
Cable length 1,5 mtr straight

Regulatory

EMC EN 55022, EN 55024



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