IDCUBE | Readers

Integrated software platforms

Access 360 INEST

QR CODE READER

IC-NQR100

IC-NQR100 is a multi technology reader terminal, that supports NFC, 1D barcode such as ISBN-10, ISBN-13, EAN-13, EAN-8, Code39, GS1, UPC-A, UPC-E, Code128, Code93, etc. & 2D barcode such as PDF417, QR Code, Data Matrix, etc.

The reader seamlessly integrates with IDCUBE's Protean ezGATE Controller for various physical access control applications such as Visitor Management & Ticketing solution for stadiums, amusement parks, or gated events. The communication ports available for interfacing with a controller are USB & RS232/TTL.

The reader's ergonomic design facilitates easy installation on Turnstiles, flap barriers, and Kiosks.

KEY FEATURES

- 1D barcode such as ISBN-10,ISBN-13,EAN-13, EAN-8, Code39, GS1, UPC-A, UPC-E, Code128, Code93, etc. & 2D barcode such as PDF417, QR Code, Data Matrix, etc.
- Hands-free and automatic scanning operation
- Support USB & RS232 for quick authentication & acknowledgement
- Easy installation on Kiosk, Flap Barrier, Turnstile etc
- Embedded with high performance processing chip
- Fast recognition, large motion tolerance, high reading efficiency
- NFC Reader (Supports ISO14443 13.56 MHz Credentials)
- Can read printed code from paper and mobile phone screen in any direction (360° read direction)

TECHNICAL SPECIFICATIONS

Characteristic	Parameter
Image Sensor & Ambient Light	300,000-pixel CMOS sensor; 0 ~ 100000 LUX
Optical Resolution	640*480 pixels
Reading direction	360° degrees
Reading rate	70ms per scan
Reading Speed	100ms each time (average), supports continuous reading
Decode Capability	1D: ISBN-10,ISBN-13,EAN-13, EAN-8, Code39, GS1, UPC-A, UPC-E, Code128, Code93, etc. 2D: PDF417, QR Code, Data Matrix
Depth of field	0mm-100mm
Input Voltage & Operating current	4.7V ~ 15V (150mA average @ 5V DC), (190 mA instantaneous maximum @5V DC)
Indication	Buzzer and LED
LED	White illumination, Red/ Green/ Blue indicator
NFC Reading	Mifare UltraLight, Mifare One(S50), Mifare One(S70), Mifare Pro(X), Mifare DESFire
NFC Operating Frequency	13.56 MHz
NFC Reading Distance	< 50 mm
Operating Temperature	-20°C to 70°C
Humidity	5% to 95% relative humidity, non-condensing
Light Levels	0 to 100,000 lux
Dimensions (LxWxH)	86mm × 86mm × 39mm
Scanning window	50 x 50 mm
Host System Interfaces	USB virtual COM, USB-HID, RS232, TTL
Certifications	CE

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