⋂CIDRON®

Cidron QR Code Reader
- QR AND BAR CODE READER
MODULE AS ADD-ON

The Cidron VG3 reader series is compatible with Secure RFID technologies, NFC and BLE solutions with Mobile keys. The reader is powerful enough to read up to 10 different technologies or formats simultaneously along with customized formats and QR or Barcodes.

The QR and barcode reader module is an add-on in a black 33 degree frame, where the QR code reader is pointing downwards to simplify a smooth reading of the QR code. This together with a VG3 reader module makes this QR code reader one of the most powerful and flexible QR code reader on the market. The combination of RFID, NFC and BLE together with or without a keypad gives any access control solution a powerful, flexible, and futureproof access control reader. The QR code together with RFID can also easily fit a visitor or a booking management solution, to easily add QR code functionality to a visitor for example.

Standardized communication, such as Wiegand and OSDP, are used between the reader and the access control, visitor or booking management application and can also be encrypted with the OSDP Secured channel function. The QR module is internally connected to the reader module, both for power supply and communication.

Cidron QR code module is available together with Cidron VG3 Standard, Combi, and Slimline readers both with or without keypad. The readers with the keypad have backlit keys which are configurable. The substantial LED frame provide visual indicators for the user, while the buzzer provides audible indicators, both of which are also configurable.

Adjustable settings

Settings can be adjusted, in how and what to read of the QR code together with an adjustable output format, with the reader tool or configurations cards. The QR or barcode are readable on both printed paper and digital versions on a smart device.

Technical specifications

Sensor Resolution	640 horizontal X480 vertical pixels
Illumination	White LED
Aiming	None
Symbologies	QR Code, Micro QR, PDF417 Code 128, Code 39, Codabar, Interleaved 2 of 5, ITF-6, ITF-14 ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Plessey, MSI-Plessy
Resolution	>3mil
Typical Depth of Field	(QR 10mil) 35mm - 80mm
Min. Symbol Contrast	25%
Scan Angel	Roll: 360°, Pitch: ±60°, Skew ±60°
Field of View	Horizontal 42°, Vertical 31.5°
Operating Voltage	9 - 30VDC
Power Consumption	Current draw (Idle mode) 2.3mA @12vDC, 1.2mA @24VDC
Operating Temperature	-20°C ~ +55°C
Humidity	5% ~ 95% (non condensing)
Ambent Light	0~100.000 LUX

Note that the connected VG3 reader must be running on Firmware 3.82.08 or higher to use the QR module as an accessory. Older firmware versions of VG3 readers will not detect the QR code reader. Settings can be done with Cidron Reader Tool 6.5.0.7 or higher.

Current consumption differs depending on functionality used and can also be limited in the reader configuration, please consult the Cidron full installation guide for current consumption, before dimensioning power supply.

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+46 10 - 150 75 00   info@seriline.com   www.seriline.com