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HUMAN & AI

ACCESS CONTROL · NETWORK

NETWORK QR & CARD READER

# BV-QR100

## QR code & card reader with TCP/IP networking

Reads QR codes from a phone screen or paper, plus ID and IC cards, and sends the data straight to your system over Ethernet. Tempered glass, aluminium housing and a built-in fill light keep it reliable day and night.




QR Code · Card · TCP/IP

| QR + Card | TCP/IP | <50 mA | −40 °C |
|---|---|---|---|
| Code & card reading | RJ45 Ethernet | At DC 12 V | Rated to +85 °C |

## KEY FEATURES

- **QR / 2D Codes** — Phone or paper
- **Dual Frequency** — EM + NFC cards
- **Night Fill Light** — Auto-on at night
- **Two-Colour LED** — Status indicator
- **Multi-Protocol** — TCP · UDP · HTTP
- **Modbus Gateway** — TCP ↔ RTU
- **Tempered Glass** — Aluminium body
- **Relay Output** — 1 set, built in

## IDEAL FOR

Visitor Access · Offices · Turnstiles & Gates · Events · Car Parks


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# Technical Specifications

BV-QR100 QR Code Scanner with TCP/IP · Network QR & Card Reader

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## Reading

| | |
|---|---|
| Code reading | QR / 2D code |
| Code source | Phone screen or paper |
| Card types | EM (ID) + NFC (IC) |
| Fill light | Auto-on when object approaches |
| Indicator | Built-in two-colour LED |

## Network

| | |
|---|---|
| Ethernet | RJ45 · 10 Mbps 10Base-T(X) |
| Cabling | Auto cross / straight detection |
| Protocols | TCP · UDP · HTTP · MQTT · Modbus |
| IP mode | Static or DHCP · DNS |
| MAC address | Unique per unit, customisable |

## Power & Environment

| | |
|---|---|
| Supply voltage | DC 12 V |
| Operating current | < 50 mA |
| Operating temp. | −40 °C to +85 °C |
| Humidity | 10 – 90% RH, non-condensing |
| Relay output | 1 set |

## Build & Management

| | |
|---|---|
| Housing | Tempered glass · aluminium alloy |
| Dimensions | 84 × 84 × 20 mm |
| Configuration | Web, serial port or network |
| Custom packets | Registration & heartbeat |
| Firmware | Upgradeable · factory reset |

## Working modes

Switch per project from the built-in web interface

- TCP Server
- TCP Client
- UDP Client / Server
- HTTP(S) Client
- MQTT Client
- Modbus Gateway


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Specifications may change without prior notice due to continuous product enhancement.