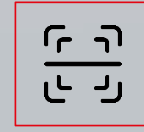
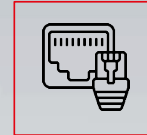
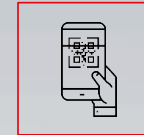
Decoding  
Technology

Code 1D/2D

Supports Multiple  
InterfacesMultiple Code System  
Multiple

High integrity



Provide SDK

## Qualica-RD 3120

1D and 2D barcode reader + NFC

**Qualica-RD 3120** is an integrated dimensional scanning terminal with IP54 protection level, capable of reading one-dimensional/two-dimensional barcodes.

It adopts CMOS imaging technology and intelligent image recognition system with independent intellectual property rights at international leading level. It also provides users with rich secondary development functions, including fully open image acquisition interfaces, device interfaces and I/O operation interfaces.

**3-year warranty.** Supports operating systems such as Linux, Windows, Android and iOS, allowing users to easily address customized needs through the provided SDK. ideal for self-service and ticketing terminals, logistics, finance, transportation, medical and healthcare, etc.



**3120 - 1D and 2D barcode reader + NFC****Features**

- IP54 dust and waterproof protection level.
- Compatible with all major 1D and 2D codes.
- Built-in high performance processing chip, fast decoding speed, high accuracy and recognition capability.
- High identification accuracy, wide depth of field range, high sensitivity and low contrast printing requirements.
- Supports firmware upgrades and customization.
- Supports NFC recognition, including Mifare series compatible cards, ISO/IEC 14443A standard cards, NFC cell phones.
- Supports RS232 (default), and USB, TCP/IP, RS485, Wiegand output (optional).

**Technical specifications**

Dimensions / Weight	65 * 61.5 * 31mm / 100g
Reading mode	CMOS
Resolution	640*480 dpi
Interface	RS232 (default) / USB, RS485, TCP/IP, Wiegand (optional)
NFC	Support Mifare series compatible card, ISO/IEC 14443A standard, NFC cell phone
Symbologies	2D Code: GM, QR Code, Micro QR, Micro PDF417, Data Matrix, Chinese-Sensitive Code, etc. 1D Code: Code39, Code93, Code 128, EAN-13, EAN-8, UPC-A, etc.
Accuracy	≥7mil
Depth of field	0~100mm
Print contrast	≥30%
Bar roll sensitivity	360°
Sensitivity of bar roll tilt	± 60°
Bar tilt sensitivity	± 40°
Ambient light	0~100,000 LUX
LED illumination / Light source	Visible light emitting diode (white)
Setting mode	Configured by on-line computer / readout code
Trigger mode	Manual / Automatic
Warning mode	Audible warning
Maximum consumption / Voltage	1.2W / 5V
Current	240mA max current, 200mA working current, 30mA standby current
Cable length	1.5M optional
Working temperature	-20°C to 60 °C
Working humidity	5% - 95% (No freezing)
Degree of protection	IP54



QUALICA-RD

# 3120 - 1D and 2D barcode reader + NFC

## Dimensions

