



FR2080
Vaccine Passport
Scanner

Newlands self-scanning Covid status, desktop solution.

A quick and easy way for Vaccine status holders to scan their own codes.

The FR2080 Vaccine Passport Scanner excels in self-scanning and cuts down on time and cost by directing users to scan directly and not via an attendant. The FR2080's size and illumination are designed to be able to create the right distance from the code presented. Even people who are new to self-service scanning will find the FR2080 the best solution available by making sure every code is read the first time, every time, regardless of the user's experience.

Labelling for regional Covid procedures.

Many regions around EMEA are already using, or preparing to use, a version of a Covid status barcode to prove vaccination or negative PCR test results. The principles are all common but some of the titles used for these vary from country to country. Vaccine passport, green pass and covid status are the most commonly used phrases, but other regional choices and translations are in circulation. Newland has added a selection of stickers to the FR2080 to help give some guidance and attention to the purpose of the FR2080.

Guiding the user.

The front of the FR2080 uses a soft rubber bezel to protect the devices being presented from becoming damaged and includes two raised sections to guide the user to present in portrait orientation. This is especially useful for customers who are presenting codes that are embedded in web or email documents rather than within applications.

Plug-and-play into USB ports.

The FR2080 only needs a USB connection for power and communication. The default USB-HID connection will send scanned data directly into a local host program or online as typed data. Otherwise, HID-POS and CDC virtual com that are using Windows drivers or native Android/Linux drivers are available.

Good and bad alerts.

The FR2080 Vaccine Passport scanner can illuminate a good read with flash of light and can broadcast an audible beep. This acts as the very first layer of required feedback of a valid or invalid barcode.

Covid passport application scenarios



Technical specifications

Performance	Image sensor	640x480 CMOS
	Illumination	White, Green, Red LED
	Symbologies	PDF417, Data Matrix, QR Code, Micro QR Code, Aztec. EAN-8, EAN-13, UPC-A, UPC-E, ISSN, ISBN, Codabar, Standard 2 of 5, Code 128, Code93, ITF-6, ITF-14, GS1 Databar, MSI-Plessey, Code 39, Interleaved 2 of 5, Indus- trial 2 of 5, Matrix 2 of 5, Code 11, Plessey, etc.
	Resolution*	> 5mil
	Scan window	82mmx64mm
	Scan angle**	Pitch: ±50°, Roll: 360°, Skew: ±50°
	Screen brightness	> 15%
	Field of view	Horizontal 69.5°, Vertical 54.8°
	Symbol contrast*	>30%
	Physical	Interfaces
Dimensions		100.3(W)x120.3(D)x102.8(H)mm
Weight		296g
Notification		Beep, LED indicator
Rated power consumption		837.3mW
Operating voltage		5VDC±5%
Current@5VDC		118.4mA (typical), 174.5mA (max.)
Environmental	Operating temperature	-20°C to 60°C (-4°F to 140°F)
	Storage temperature	-40°C to 70°C (-40°F to 158°F)
	Humidity	5%~95% (non-condensing)
	ESD	±8 KV (air discharge); ±4 KV (direct discharge)
Certifications		FCC Part15 Class B, CE EMC Class B, RoHS
Accessories	Cable	Used to connect the NLS-FR2080 to a host device.

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp; 2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8. Specifications are subject to change without notice.