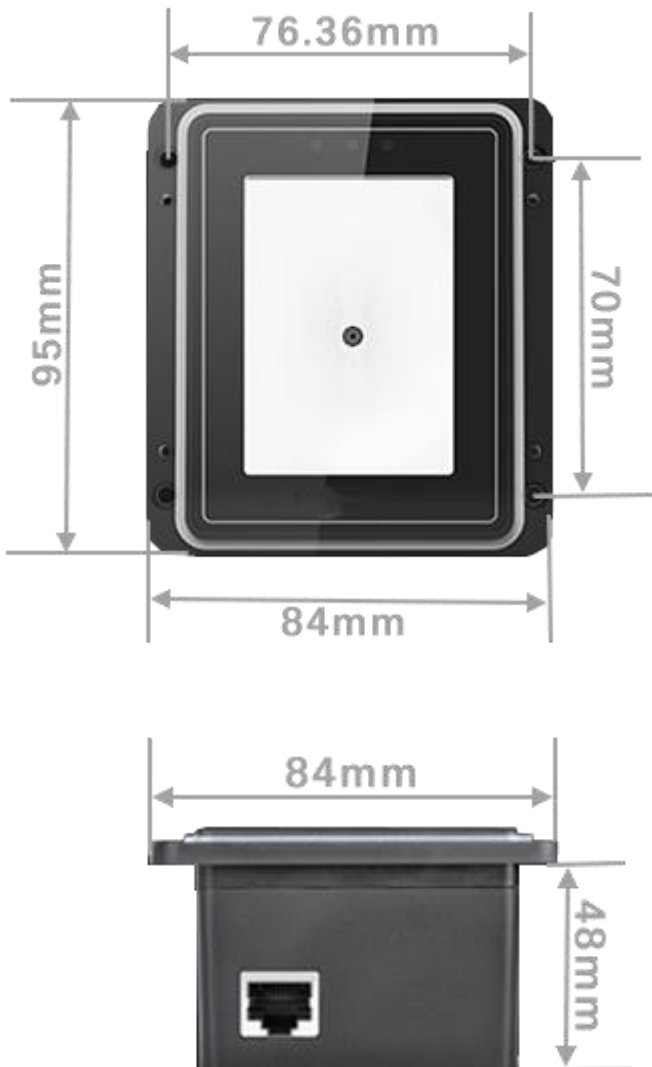# MAIRS

MT-TX200 QR Code Scanner

Product Features

Strong reading ability

It can recognize the QR code and one-dimensional code on the screen of the mobile phone, support the enhanced engine mode, and can scan and read the code when the screen of the mobile phone is dark.

Paper code reading ability

The main QR codes and various one-dimensional codes printed on the paper can also be read.

High speed reading

Different mobile phone LCD screens generally have different contrast, color, and degree of reflection, which can be read as long as the code system is within the reading window.

Easy to use

Scanners can be configured using configuration tools to achieve optimal operation. It's the best solution for qr code turnstile.

Appearance parameters

Physical dimension	95*84*48mm
Reading window dimension	59*46mm
Installation method	Embedded installation
Materials	ABS
Hole Size	67.5*88mm Corner radius 4.27mm

Reading parameters

Image Sensor	300,000 pixel CMOS (640*480)
Light source	Led diffuse lighting (white lighting, red indicator)
Instruction	Buzzer, three blue LED status indicators, red LED indication
Identification code	QR Code, Data Matrix, EAN_13, EAN_8, RSS_14, CODE_39, CODE_93, CODE_128, ITF, Code Bar, Inverse Code, Mirror Code, etc.
Print contrast	≥ 25%
Reading accuracy	≥ 7mil
Reading speed	70ms/times
Field of view angle	Horizontal field of view 77°, vertical field of view 60°
Reading angle	Tilt ± 40°, deflection ± 30°, rotate 360°
Depth of field	0mm~55mm （15mil QR Code）

Device parameters

Microprocessor	32-bit 1G CPU, high-speed DDR memory
Data interface	RS232 (9.6 ~ 115.2kbps), USB1.1 (HID-KBW, HID-POS), custom HID (add USB development interface, high-speed transmission)
Data line	RS232 data line (USB power supply interface + DB9 data interface), USB cable, TTL line
Operating temperature	-20~70 degrees Celsius
Storage temperature	-40 to 80 degrees Celsius
Humidity	Relative humidity 0%~95%
Ambient light intensity	0~80,000LUX
Operating Voltage	Supports 5~15V wide voltage input
Working current	0.15A (5V) or 0.05A (15v)
Maximum power Consumption	0.75W
International Certification	FCC Part15 Class B,CE EMC Class
Maintenance Requirements	Support remote maintenance and online upgrade
Materials	Body: Imported PC window: Tempered glass
Operating System	Supports Windows (xp.7.8.10), Linux, Android, Mac, etc.

Installation and Disassemble

Installation instructions 1

Chassis

Nut column

Fixing screw

Installation instructions 2

Chassis

Nut column

Fixing screw

Installation instructions 1:

Nut column diameter does not exceed 5.8mm, through the scanner to fix the round hole outside diameter.

The diameter of the screw part of the fixing screw is not more than 4mm, tighten the nut from the back through the hole inside diameter.

When the plate thickness is 2mm, the maximum nut height is 3.5mm.

When the plate thickness is 1.5mm, the maximum height of the welded nut on the steel plate is 4mm.

Installation instructions 2:

Screw column diameter not more than 4mm is okay, directly through the scanner to fix the round hole internal diameter.