



MT8495 2D USB Scanner

MT8495 is designed to be the smallest 2D USB barcode scanner. It shapes like a mini flash drive in size and is easy to carry around. MT8495 2D USB barcode scanner meets the demand of mobile applications where space and weight are limited. With user-friendly trigger button, MT8495 can be simply Plug-and Read and fulfill flexible operation.

High Compatibility with USB HID Interface

- Reading distance from 6cm to 27.5cm on commodity barcodes.
- Plug and read without driver installation.
- Supports serial commands over USB VCP.
- Reads all major 1D & 2D barcodes in the market.

Easy and Flexible Operations

- Indicator : Buzzer
- Interfaces : USB HID/ USB VCP



Optic & Performance

Light Source	White LED, Visible red LED
Sensor	640 x 480
Scan Rate	30 Frames/Sec
Resolution	5mil / 0.125mm (1D), 10mil / 0.25mm (2D)
Scan Angle	Horizontal 37°, Vertical 27.5°
Pitch / Skew / Roll Angle	±60° / ±60° / ±360°
Print Contrast Ratio	25%
Width of Field	141 mm (13Mil Code39)
Typical D.O.F (@800 lux)	UPC/ EAN 13 Mil: 60 ~ 275 mm

Physical Characteristics

Dimension	W19 x L41.8 x H12.5 mm
Weight	8.9g
Color	Black
Material	PC
Connector	USB Type A
Cable	0.6M (USB Type C Extension Cable)
Trigger	Scan Button
Indicator	Buzzer

Electrical

Operation Voltage	5 VDC ± 5%
Working Current	< 220mA
Standby Current	< 95mA

Connectivity

Interface/ Profile	USB HID, USB VCP
--------------------	------------------

User Environment

Operating Temperature	0°C ~ 60°C
Storage Temperature	-40°C ~ 70°C
Humidity	0% ~ 95% RH (Non-condensing)
Drop Durability	1.5M
Ambient Light	70,000 Lux (Sunlight)

Regulatory

ESD	Functional after 4KV contact, 8KV air discharge
EMC/RF	TBA
Safety Approval	EN/IEC62471 (Exempt Group)
Environmental	WEEE, RoHS 2.0

Symbologies

1D	UPC-A/ UPC-E0/ UPC-E1, EAN-8/ EAN-13, Code128, Code39, Code93, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, China Post 25, Code11, MSI Plessey, Plessey, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded
2D	QR Code, Micro QR Code, PDF417, MicroPDF417, Data Matrix, Aztec, MaxiCode, Han Xin, Code16K

* All specifications are subject to change without notice.

