

≡ OPTICON

L-46X cabled 2D & QR scanner with stand, RS232

Opticon L-46X is a handheld 2D imager that reliably reads all of the 1D and 2D barcodes. It is designed for healthcare, retail, POS, warehouses or logistics applications. In addition to the classic barcode and QR codes, the L-46X reader can recognize also data from travel documents (ID cards, passports).

Opticon provides the user with a [free worldwide accessible setup tool](#) as an addition to the standard way of setting up the device using printed barcode manual.



With auto-focus and a speed of 100 fps the engine in the L-46X is truly next gen, but maybe the most important part is not the technology inside but the design on the outside, where the L-46X gives you the option to insert your own logo or design of your choosing.

The L-46X is often used in service settings; healthcare for wristband scanning, retail for scanning products and scanning e-tickets from mobile phones at festivals or other social gatherings. The usage often decides what type of engine should be inside the scanner. Because of the complementary stand, that activates the auto trigger, it is often used to scan without hands.

The L-46X is cabled scanner with a very advanced 2D imager that scans at a speed of 100 fps. Furthermore, the design makes it possible to add your own design, image or logo to the top of the scanner, this way you can use the product to expand your brand visibility or presence. This addition is truly unique and as far as we are aware only Opticon offers this option.

Moreover, this handheld scanner comes with USB or RS232 and a complimentary stand for hands free scanning. The product is sealed with a rating of IP42 that can withstand drops from up to 1.5 meters upon concrete. The scanner gives visual and non-visual feedback when a scan action is performed, telling you if the scanning action succeeded or not.

Features of the Opticon L-46X scanner

- 1D & 2D scanning at a speed of 100 fps

- Capability to read machine readable travel documents (passports, visas, identification cards)
- Well thought out design for comfortable use
- Comes with a stand for hands free scanning.

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Technical Description

Functionality & Operation

Communication interface	RS232
2D Code Symbolologies	Aztec, Codablock F, Data Matrix (ECC200 only), GS1 DataMatrix, GS1 QR Code, Chinese Sensible Code, Micro QR Code, MicroPDF417, PDF417, QR code
Indicators	LED (red/green/blue), buzzer
1D Barcode Symbolologies	All standard one-dimension barcodes

Optical

Bar code scanner	2D Imager
Resolution	640 x 480 px
Scanning rate	100 fps
Maximal skew angle	65°
Maximal pitch angle	65°
Curvature	R≥20 mm
Minimal PCS value	0.2
Depth of scan field	0 - 330 mm

Electrical

Power Source	+5 VDC ±10%
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Mechanical

Color	black
Dimensions	Width: 105.4mm, Height: 153.4mm Length: 60mm
Weight	112g

Environment

Ingress protection	IP42
Vibrations resistance	10-100 Hz with 2G for 1h.
Operating temperature	-5 to 50°C
Storage temperature	-30 to 60°C
Operating humidity (non-condensing)	0 to 90%
Storage humidity (non-condensing)	0 to 90°C
Maximal ambient light	100000lux
Shock resistance	drop from 1.8 m on to concrete surface

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