

HIGH-PRECISION IDENTIFICATION FOR SURGICAL INSTRUMENTS

DATAMATRIX 4K CODE
READER

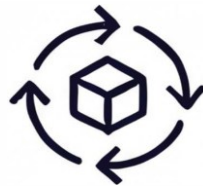


MAIN FEATURES

DATAMATRIX 4K CODE READER



DECODING SYSTEM FOR SURGICAL INSTRUMENTS



PATIENT SAFETY

Ensures the correct identification of each surgical instrument. Reduces the risk of medical errors.

COMPLETE TRACEABILITY

Track every instrument from manufacturing to clinical use.

Complete information on sterilization and maintenance.

MILLIMETER PRECISION

Superior 4K Resolution

Accurate reading under complex optical conditions. Advanced processing technology.



VERIFICATION OF CODES FOR SURGICAL INSTRUMENTS



E-BUHO READER

4K Technology Professional

MAIN FEATURES

DATAMATRIX 4K CODE READER

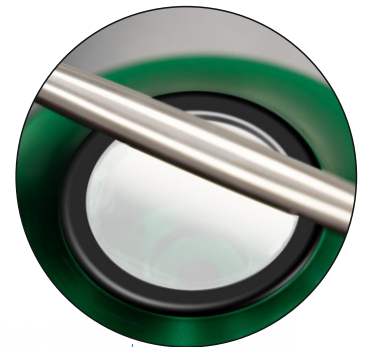


Multi-code reader

The E-buho reader is capable of reading a multitude of code formats, whether 1D or 2D positive or negative.

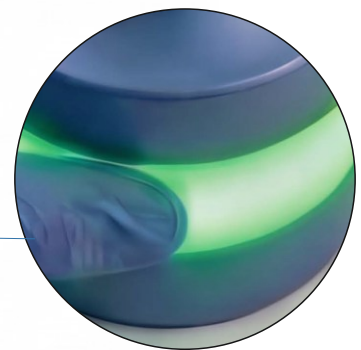
40 mm window multi-read

With a 40mm sapphire window, our reader guarantees optimal reading of datamatrix codes and enables the reading of multiple codes at once.



USB connection with easy installation

You will only need to connect the supplied USB cable and install the specific software.



Color code

The device features illumination through the window for fast and accurate readings.

The device also includes RGB LEDs for event indication (successful reading, reading error, and standby mode).

4K Datamatrix Code Reader

Our high-definition Datamatrix barcode reader guarantees fast (ms) and accurate reading on surgical instruments, capable of reading codes as small as 1mm x 1mm. It also enables the reading of defective or partially erased codes resulting from sterilization processes.

Compatibility with all traceability software

The e-buho reader is compatible with all current traceability software.

PERSONALIZATION

DATAMATRIX 4K CODE READER



Variety of colors

The E-buho 4K is available in 5 different colors to suit any need and work environment.



Green



Red



Black



Silver



Blue

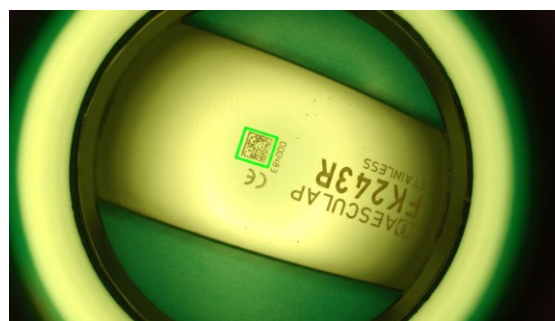
LASER CUSTOMIZATION

It can be customized with the company logo.



REAL-TIME VISUALIZATION

The reader adapts to different surfaces and lighting conditions.



TECHNICAL DATA

DATAMATRIX 4K CODE READER



1. TECHNICAL SPECIFICATIONS:

- **Image resolution:** 4K (3840 x 2160 pixels)
- **Supported code types:** DataMatrix 2D ECC200, 1D barcodes, QR Code
- **Supported marking types:** laser, micro-percussion, chemical, labels, micro-dots
- **Depth of field:** Up to 20 mm
- **Reading distance:** Up to 10 cm
- **Visualization:** Live video with direct viewing
- **Installation:** Under 5 minutes
- **Reading capacity:** Difficult codes (low contrast, damaged, curved or shiny surfaces), small codes (from 1 mm x 1 mm)

2. PHYSICAL SPECIFICATIONS:

- **Window material:** Sapphire crystal, anti-reflective, scratch-resistant, 40 mm diameter
- **Housing material:** Anodized aluminum and PTFE
- **Dimensions:** Height 95 mm, Diameter 96 mm, Weight 96 grams

3. DATA EXPORT:

- **Keyboard Wedge, Virtual Serial COM Port, HTTP, Named Pipe**

4. CERTIFICATIONS:

- **CE**
- **FC (FCC)**

5. POWER SPECIFICATIONS:

- **Power supply:** USB 2.0 (5V)
- **Recommended operating system:** Windows 7, 10, 11
- **Operating temperature:** -25°C to 55°C
- **Storage temperature:** 0°C to 30°C

6. WARRANTY:

- **2 years (parts and labor)**

Country of origin: Europe