



HoloDoc Reader

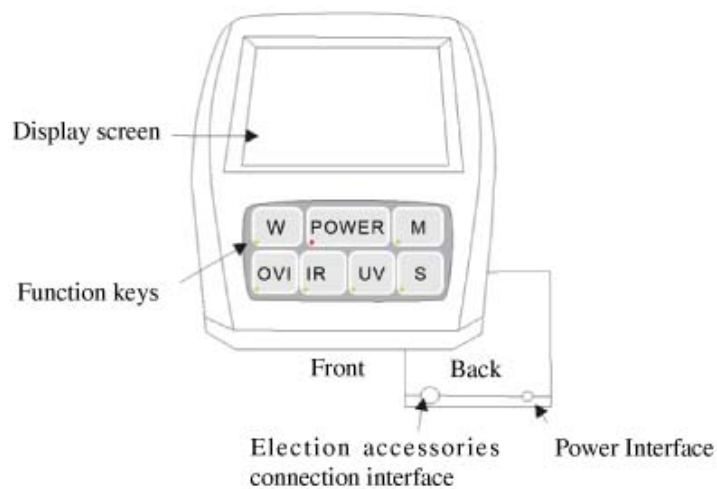
User's manual
Model:LLCR-23



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Appearance and components



Product specifications

Button: Power On/Off, white reflected light, transmission light, ink, infrared light, ultraviolet light, side light.

Display screen: 2.5" High-resolution color display

Overall dimensions: 280(W)*78(H)*65(D) mm

Weight: 185g

Power: DC 12V 0.75A

Magnification: 16 times

Election Accessories: USB data connecting cable,
Software

Basic Operations

1. Independent use

Connect **LLCR-23** to the AC power with power adapter (or by special external device - **LLCR-23** partner) for working independently.

2. Connect to computer

Connect **LLCR-23** to computer's connection interface with special external device - **LLCR-23** partner. The images from **LLCR-23** can be saved to computer for further processing.

LLCR-23 detector can be connected to a computer by USB cable; the computer will display detection of a new hardware and prompt to install the driver

Operation guide

1. Install and connect the detector

2. Press the power button (the power LED light) to turn on device.

3. Choose type of detection by pressing function key on detector **LLCR-23**.

4. The detected results will be displayed on the display screen, if detector **LLCR-23** is connected to PC, the images can be saved for further processing.

5. When you want to use detector **LLCR-23** for daylight (function key "S") lift the detector against light source and enclose the detected object on the check place.

6. Hold the power button to turn off detector.

7. After 8 minutes without any operation the detector goes into power save mode. If you press any button the power LED light and detector goes back to working mode.

Detector will be turned off automatically after 10 minutes without any operation.

If the detector is not used for a long time, please disconnect the power or the power adapter.

Identification methods

for the verification of Holograms, banknotes and other security documents

LLCR-23 can be used to view and check on-screen display of all micro overt features of security holograms, documents and the first-line and second-line optical characteristics in currency notes, etc.

Daylight light	UV light	Infrared light
Watermarks Logo printed Paper texture Laser microspore Security fibers Splicing traces Grinding marks Security thread	Fluorescent paper Fluorescent patterns Fluorescent fibers Pearlescent inks Metallic inks Security thread Watermark Security thread Embedded patterns Holograms with UV content	Infrared ink Infrared fluorescence Infrared fiber Intaglio printing Letterpress printing Ink composition Ink altered Ink characteristics
White light	Side light	Ink
Printing quality Miniature characters Pattern details Paper fiber Printing method Hologram image Plate making technology Printed characters	Embedded patterns Intaglio printing Handwriting indentation Optical variable ink Splicing traces Seal indentation Intaglio printing Grinding marks Photo replacement	LLCR-23 plus Optical variable ink Reflect light ink LLCR-23 Plus U.S. fiber Red fluorescence Caution

Delivery set

Checklist of delivery set:

1. Device "**HoloDoc Reader LLCR-23**" — 1 piece
2. User's manual — 1 piece
3. AC Adapter – 1 piece

Optional:

4. Textile bag — 1 piece
5. C3 Partner Kit — 1 set

Safe Use

Avoid use under the following environment: Rapid changes in temperature, high temperature above 40°C, Low temperature below 15°C, high voltage, Static interference, radiation, and humid atmosphere.

- Do not allow to get wet or be immersed in the liquid.
- Avoid mechanical shock or falling on the ground.
- Please switch off power if not in use for a long time.
- External device interface could only connect the standard matching equipment.
- To avoid damage, never disassemble the device. Please contact Light Logics when help is needed.