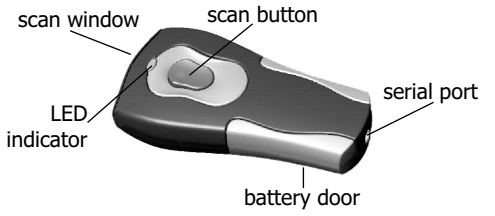


Flic Laser Bar Code Scanner

Your Flic hand-held scanner is a breakthrough in affordable laser scanning. Flic has all of the performance of more expensive laser scanners plus the convenience of hand-held portability, and the advantage of low power consumption. Flic can be used as a tethered scanner to scan and transmit bar code data immediately, or in portable, store-and-forward mode to capture approximately 500 bar code symbols with time stamp data (available in XML format) for uploads to your computer.

- » **Flicware™ software** is provided at **www.flicscanner.com** for interfacing Flic with common Windows® applications in just minutes.
- » Flic is so economical and easy to use that you will want to find new opportunities to increase your productivity with bar code applications.



Package Contents



Operator's Guide

For More Information
www.flicscanner.com

It's Easy To Use Your Flic Scanner

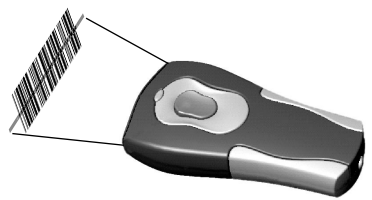
1. Connect Flic: Plug the 9-pin serial connector end of the interface cable to your computer and connect the other end to the scanner.

2. Download & Install Flicware™: Go to www.flicscanner.com to download interface software and instructions.

3. START SCANNING

Tethered

- » With the scanner cable attached, hold the scanner steady and aim it at a bar code about 4 inches away.
- » Press the scanning button gently.
- » Position the scanner such that the light beam fully overlaps and crosses the bar code. The green LED will light and you will hear a beep indicating that you have scanned the bar code.



Sample Bar Code



Store and Forward

- » Unplug the scanner from the cable
- » Hold the scanner steady and aim it at a bar code about 4 inches away.
- » Press the scanning button gently.
- » Position the scanner such that the light beam fully crosses the bar code (see image above).

The green LED will light and you will hear a beep indicating that you have scanned the bar code. Three beeps means the scanner's memory is full.

- » Plug the cable into the scanner.
- » All of your scanned bar codes will be transferred to your computer and deleted from the scanner.

For More Information
www.flicscanner.com

Installing/Replacing Batteries

1. Remove battery cover by pressing down and back.
2. Remove and replace three AAA Alkaline batteries.
Note: Please remove batteries when storing unit longer than 30 days. Use only Alkaline batteries.



Technical Specifications

Bar Codes Supported	UPC/EAN/JAN, Code 128, Code 39
Minimum X Dimension	10 mil
Depth of Field	2 inches to 7 inches
Memory Capacity	Approximately 500 12-character codes
Interface	RS-232 compatible; Baud Rate: 4800 or 9600 Data Bits: 8, Parity: None, Stop Bits: 2 Flow Control: None
Cable	DB9 to Stereo plug (included)
LED Indicator	Indicates "Good Scan", "Memory Full", and blinks while downloading
Audible Indicator	Indicates "Good Scan", "Memory Full", and "Download complete" Can be disabled
Operating Temperature	0° to 35° C
Storage Temperature	-40° to 70°
Power	Three (3) AAA Alkaline Batteries (Not included)
Safety	EN60950-1:2002; IEC 60825-1:1993 +A1(1997) +A2 (2001)
EMC	EN55022: 1998; EN55024: 1998; EN61000-4-2: 1995, EN61000-4-3:1997 FCC 47 CFR, Part 15 Class B

Accessories

- Flic Docking Station
- Flic Universal Holster
- Flic Protective Boot
- Flic USB Cable Adapter
- Flic Replacement Serial Cable
- Flic Accessories Bundle

Part Number

- HS 2120-01
- HS 2120-02
- HS 2120-03
- HS 2120-04
- HS 2120-05
- HS 2120-09

Shop for Flic Accessories
www.flicscanner.com

Operator's Guide



Limited Warranty

Manufacturer warrants that the Flic scanner product will be free of defects in material and workmanship for one (1) year from the date of shipment. Manufacturer will, at its option, either repair, replace or refund the purchase price paid by buyer for the defective Products. Such repair, replacement or refund shall be buyer's sole remedy in the event of Manufacturer's breach of this limited warranty. Repaired or replaced parts or product may include new, reconditioned or remanufactured parts and equipment at Manufacturer's option. All costs associated with shipment to Manufacturer for warranty service, including but not limited to freight, duties, insurance and customs fees are buyer's responsibility. Manufacturer will pay the freight costs (duties, insurance, customs and any other fees are buyer's responsibility) associated with the return shipment to buyer. The method of shipment will be at Manufacturer's discretion. Repair or replacement of any parts or equipment does not extend the period of warranty provided for herein. THIS LIMITED WARRANTY IS MANUFACTURER'S ONLY WARRANTY. MANUFACTURER DOES NOT GIVE WARRANTIES OF MERCHANTABILITY OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE. To take advantage of this warranty, buyer should contact the seller not Manufacturer.

The warranty set forth herein does not cover and Manufacturer will have no obligations hereunder if any non-conformance is caused in whole or in part by; accident, transportation, neglect, misuse, alteration, modification, or enhancement of the products or incorporation, interfacing, attachment of any feature, program, or device to the Products by a person or entity other than Manufacturer, failure to provide a suitable installation environment, use of the Products for other than the specific purpose for which the products are designed or any use of the Product not in accordance with the User Manual or other misuse or abuse of the Product.

Microvision, Inc. P.O. Box 3008 Bothell, WA 98011

Microvision is a registered trademark of Microvision, Inc.
Flic and Flicware are trademarks of Microvision, Inc.
DOCUMENT NUMBER: DA0109325 Rev. A

Regulatory & Safety Information

FCC Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference (2) this device must accept any interference received including interference that may cause undesired operations. This applies to all product options.

FCC Radio Frequency Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- » Reorient or relocate the receiving antenna.
- » Increase the separation between the equipment and receiver
- » Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- » Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications to this equipment not expressly approved by Microvision could void the user's authority to operate this equipment.

Notice for Canada

Radio Interference Notice for Canada
This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Compliance Information

Product Name: Flic™ Personal Laser Scanner
Product Number: HS2121
Product Options: All
The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the "CE" mark accordingly.

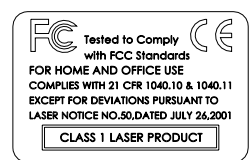
Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001.

Laser

Type: Semiconductor laser AlGaInP
Maximum output power: 5mW
Divergence: X axis: 6-15 degrees
Y axis: 22-38 degrees
Wavelength: 650-660nm

Laser

Typ: Halbleiterlaser AlGaInP
Ausgabeleistung: 5 mW
Strahlabweichung: X Achse: 6-15 Grad
Y Achse: 22-38 Grad
Wellenlänge: 650-660nm



Laser light is emitted from this aperture

MICROVISION, INC.
19910 NORTH CREEK PARKWAY
BOTHELL, WA 98011
MANUFACTURED July, 2002
MADE IN INDONESIA
SN XXXX XXXX XXXX
MODEL HS2121

Laser Safety
This device employs a laser. Do not remove the cover or attempt to service this device due to the possibility of eye damage.

Laser-Sicherheit
In das Gerät ist ein Laser eingebaut. Nehmen Sie die Abdeckung nicht ab und versuchen Sie nicht, das Gerät zu reparieren. Es besteht die Gefahr einer Augenverletzung.

Caution
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser radiation exposure.

Warnung
Die Vornahme von Regelungen oder Einstellungen oder die Durchführung von Verfahren, die nicht in diesem Dokument angegeben sind, kann eine gefährliche Einwirkung von Laserstrahlung zur Folge haben.

CLASS 1 LASER PRODUCT
PRODOTTO AL LASER DI CLASSE 1
KLASSE 1 LASERPRODUKT
LASERPRODUKT KLASSE 1
LUOKKA 1 LASERTUOTE
PRODUKTO LASER DA CLASSE 1
PRODUIT LASER DE CLASSE 1
PRODUCTO LASER DE LA CLASE 1
LASERPRODUKT DER KLASSE 1
LASERPRODUKT KLASSE 1

Programming Flic

Basic Functions

Your Flic Personal Laser Scanner can be customized to suit your needs. Some basic functions allow you to turn on or off the audible beep, clear the memory or return the scanner to its factory default settings.

Enable Beep*



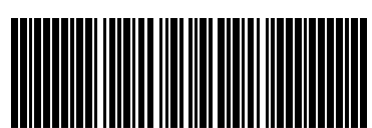
Disable Beep



Clear Bar Codes



Factory Defaults

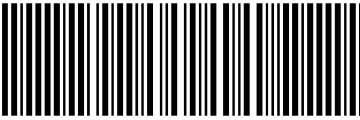


Advanced Functions (When Not Using Flicware™)

Flic can also be used in many legacy systems by programming the scanner to be compatible with other scanning devices. The following advanced settings allow changes to the default data format. For a more detailed description of these features download the Developer's Guide from www.flicscanner.com.

Default Data Format: <STX>DATA<CR><LF>

9600 Baud



4800 Baud*



Enable STX*



Disable STX



Enable LF*



Disable LF



Enable Aim Code



Disable Aim Code*



Enable ACK



Disable ACK*



* Indicates default settings