

FUZZYSCAN L780 HC

1D Laser Imager for Healthcare



Premium imager built for the stringent demands of hygiene-sensitive industries

In environments where cross-contamination is a risk, the tools used must be sturdy enough to withstand cleaning procedures. With its disinfectant-ready housing, Cino's L780 HC is perfect for hygiene-conscious establishments, such as hospitals, clinics, laboratories, pharmacies and more. When beeping sounds are unsuitable or inadequate, the scanner's integrated vibrator can offer tactile feedback to confirm good reads.

- Disinfectant-ready enclosure with antimicrobial additives
- Compliance with JIS Z2801 : 2000 antimicrobial standard
- Sharp laser beam for quick and precise targeting
- Supports PDF417 and Composite Codes
- Superior readings on 3 mil barcodes, with a depth of field of over 3"
- Reads various challenging and problematic barcodes
- Reads electronic barcodes from smartphone screens
- Clear audio and visual feedback
- Built-in vibrator for tactile confirmations
- Withstands drops from 2m to concrete
- Configuration can be done through iCode
- Advanced data formatting with DataWizard
- System security development using DataWizard
- Inherits the powerful FuzzyScan DNA

Sanitation-Friendly

Inclusion of Antimicrobial Additives

L780 HC's housing incorporates a silver inorganic antimicrobial agent that will not wear off during its lifetime. This provides an extra layer of protection against the growth of microorganisms on its surface.

Disinfectant-Ready Enclosure

The scanner's plastic exterior is also disinfectant-ready, allowing it to be wiped-down with Cino's recommended cleaning solutions (see Specifications below) without harming the enclosure.

Ideal for Hygiene-Sensitive Environments

L780 HC complies with the JIS Z2801:2000 standard and serves a wide range of industries where hygiene is paramount, such as healthcare, pharmaceutical, food, and more.

Scan All Your Needs

Powered by exclusive FuzzyScan Imaging technology, the L780 HC imager is capable of reading a vast array of challenging and problematic barcodes. The L780 HC imager is capable of scanning wrinkled, dirty, or soiled barcodes that are displayed on paper, plastic, metal, digital screens, and curved surfaces.

Cutting Edge Imaging Technology

Powered by state-of-the-art AI-based machine vision, the exclusive FuzzyScan imaging technology is a performance-driven innovation. Incorporated with an advanced optical design and a powerful hardware platform, all Cino scanners deliver unrivaled scanning speed and accuracy across all types of real-world barcodes.



FUZZYSCAN DNA

Reads PDF417, GS1, and UDI Barcodes

The L780 HC series can capture regular barcodes from a long distance, as well as very high-density barcodes within an optimal depth of field. In addition to a vast array of linear barcodes, it supports linear-stacked, PDF417, composite, GS1, and UDI codes.

Enhanced User Experience

Designed with sharp aiming and multifaceted notification feedback via visual, audio, as well as tactile indications, the L780 HC delivers superior usability and a great user experience.

Clear Audio and Visual Feedback

The L780 HC imager uses audio and visual indicators to indicate its various statuses. The Imager has a loud beeper with an adjustable volume and tone. The LED lights emit conspicuous and programmable multi-color signals to help users clearly identify the current status at a quick glance.

Tactile Feedback Option

Beeping sounds are considered disruptive in certain circumstances. Vibration is available as an option on this imager to provide tactile feedback to users. This is suitable for both quiet and noisy environments.

Built for Lasting Performance

When we designed the F780 HC, durability and ergonomics were at the top of our priority list. With an over-mold construction, this imager can withstand 2.0-meter drops to concrete. Its handle allows for a natural grip, offering superior comfort throughout the day. Moreover, the imager's elegant outline is sure to complement the decors of professional establishments.

Value Beyond Measure

FuzzyScan DNA is a collection of unique features that come with every Cino imagers at no additional cost. It delivers exceptional value beyond barcode scanning. Aside from the exclusive FuzzyScan imaging technology, Cino's scanners provide the following distinctive features to elevate user's experience:

DataWizard

DataWizard is a unique feature to perform advanced data formatting and complex data processing.

iCode

The iCode feature is a macro command barcode that allows one-step configuration with a single scan.

Multilingual Edge

Multilingual Edge is a useful feature that enables data output in your desired language.

Smart Scene

Smart Scene offers a choice of several preset configurations for various application scenarios to achieve optimal scanning performance.

Security Plus

Security Plus is a user-defined security mechanism that prevents the access of unauthorized barcode scanners.

FuzzyScan Enabling Solution

FuzzyScan Enabling Solution is a suite of software utilities that enables easy integration, management, and deployment of scanners.

SPECIFICATIONS

Performance Characteristics

Optical System	High performance linear imaging engine
Print Contrast	20% minimum reflective difference
Light Source	630nm visible red LED with laser aiming
Minimum Resolution	3 mil (Code 39, PCS 0.9)
Reading Range *1	13 mil (0.33mm) UPC/EAN up to 24"
Scan Rate	Dynamic scanning rate up to 500 scans per second
Reading Direction	Bi-directional (forward and backward)
Pitch / Skew / Tilt	±65° / ± 65° / ± 55°
Configuration Setup	Command barcodes FuzzyScan iCode FuzzyScan PowerTool
Data Processing	DataWizard
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Built-in vibration

Electrical Characteristics

Operating Voltage	5VDC ± 10%
Operating Current	Operating : Typical 190 mA @5VDC Standby : Typical 90 mA @5VDC
Antimicrobial Additives	Silver inorganic antimicrobial agent

Physical Characteristics

Dimensions	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D) 3.85 in. (L) x 2.77 in. (W) x 6.15 in. (D)
Weight	157g (cable excluded)
Color	Healthcare White
Host Interfaces	USB HID (USB Keyboard) USB VCOM (USB COM port emulation) USB OEM POS Standard RS232

1. The Reading Range are measured under Cino's test environmental condition.
2. Codablock F, Code 16K, and Code 49 are available upon request.

Supported Symbolologies

1D Linear Codes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey
Linear-stacked *2	PDF417, Micro PDF417, Composite Codes, Codablock F, Code 16K, Code 49, Linear-stacked
Postal Barcodes	German Post, Korean Post, China Post

User Environment

Drop Specifications	Withstands multiple drops from 2.0m (6.6ft) to concrete
Environmental Sealing	IP52
Operating Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Humidity	0% to 95% relative humidity, non-condensing
Ambient Light Immunity	0 ~ 100,000 Lux
ESD Protection	Functional after 15KV discharge
Recommend cleaning solutions	Gentle dish soap water or alcohol solvent

Safety & Regulatory

EMC	CE, UKCA, FCC, BSMI, RCM, KC, VCCI
Safety	LED Eye Safety IEC62471, Exempt Group Laser Eye Safety IEC60825-1, Class 1
Environmental	Compliant with RoHS and REACH
Antimicrobial	JIS Z2801 : 2000

Accessories

Cables	RS232 Serial Cable USB-A Cable USB-C Cable USB Power Cable
Others	US100 SmartStand Universal Holder Power Supply Unit (5VDC, 2A outlet)

