FUZZYSCAN F780
1D Handheld Imager

A high-performance linear imager for general and industrial applications

F780 is designed for the stringent demands of enterprise use. Embedded with Cino's advanced imaging technology, this 1D scanner provides exceptional speed and reading performance. It delivers swift data captures on a wide array of 1D barcodes and stacked symbologies. Furthermore, a robust housing protects this imager against inadvertent drops, while its ergonomic contours offer maximum user comfort.

- 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
- Withstands drops from 2m to concrete
- Antimicrobial model available for healthcare applications
- Clear audio, and visual user feedback
- Optional vibration for tactile confirmations
- Configuration can be done through iCode
- Advanced data formatting with DataWizard
- Inherits the powerful FuzzyScan DNA

Scan All Your Needs

Powered by exclusive FuzzyScan Imaging technology, the F780 imager is capable of reading a vast array of challenging and problematic barcodes. The F780 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.

Reads PDF417, GS1, and UDI Barcodes

The F780 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 F780 delivers superior usability and a great user experience.

Clear Audio and Visual Feedbacks

This barcode scanner contains a programmable beeper with adjustable sound volume. Its LED lights provide conspicuous, multi-color indications. Along with the optional vibrator, these sensory feedbacks work in concert to promote a greater scanning experience.

FUZZYSCAN DNA

Optional Vibrator for Quiet or Noisy Environments

An optional vibrator is available, offering tactile confirmation of good reads. It is ideal for places where the scanner's beeps might be disruptive, such as a library or in hospital rooms where patients are resting. Vibrations may also be preferable in environments where beeping sounds may be drowned out by loud noises, e.g. manufacturing plant.

Built for Lasting Performance

When we designed the F780, 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	15% minimum reflective difference
Light Source	630 nm red LED
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 Optional vibration

Electrical Characteristics

Operating Voltage	5VDC ± 10%
Operating Current	Operating : Typical 180 mA @5VDC Standby : Typical 80 mA @5VDC

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	Classic Black, Ivory 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 Symbologies

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

Safety & Regulatory

EMC	CE, UKCA, FCC, BSMI, RCM, KC, VCCI
Safety	LED Eye Safety IEC62471, Exempt Group
Environmental	Compliant with RoHS and REACH

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)

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