

# FUZZYSCAN A770

## 2D Handheld Imager



### The deluxe and durable 2D handheld imager

Powered by Cino's exclusive FuzzyScan imaging technology, the A770 is capable of reading most real-world challenging and problematic barcodes. Boasting a durable over-mold construction with enhanced drop-proof protection, versatile functionality, and FuzzyScan DNA, the A770 provides an exceptional cost-performance value for a wide variety of general purpose applications.

- Reads most challenging and problematic barcodes
- Superior first pass read rate
- Withstands 2m drops to concrete
- Clear audio and visual feedback
- Optional vibration function for tactile confirmations
- One-Step configuration through iCode
- Advanced data formatting and processing with DataWizard
- Inherits the powerful FuzzyScan DNA

### Scan All Your Needs

Powered by exclusive FuzzyScan Imaging technology, the A770 imager is capable of reading a vast array of challenging and problematic barcodes. Reinforced by the warm-white illumination, the A770 imager is capable of scanning wrinkled, dirty, soiled, or watermark 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 imagers deliver unrivaled scanning speed and accuracy across all types of real-world barcodes.

### Unsurpassed Reading Performance

The A770 brings exceptional reading performance on both regular and difficult-to-read barcodes. In addition, the snappiness also dramatically improves user's experience. The first-time, every-time scanning makes A770 ideal for a wide range of general purpose applications.

### Enhanced User Experience

Designed with a durable over-mold construction and multifaceted notification feedback via visual, audio, and tactile indications, the A770 delivers superior usability and reliability.

### Clear Audio and Visual Feedback

The A770 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.



## FUZZYSCAN DNA

### 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

This imager merges durability and ergonomics without compromising style. Thanks to the over-mold construction, this robust device can withstand 2 meter drops to concrete.

## 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

Image Sensor	1120 x 768 Pixels
Print Contrast	18% minimum reflectance difference
Light Source	Warm white LED
Imager Field of View	36.5 ° H x 24.9 ° V
Minimum Resolution	3.0 mil Code 39 5.0 mil DM
Reading Range *1	13 mil (0.33mm) UPC/EAN up to 17.1"
Roll, Pitch, Skew	Roll: 360 °; Pitch: ± 75 °; Skew: ± 65 °
Motion Tolerance	Up to 370 cm/s (145 in/s)
Configuration Setup	FuzzyScan iCode FuzzyScan Barcode commands FuzzyScan PowerTool FuzzyScan Serial Command
Data Processing	DataWizard
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Optional vibrate function

## Electrical Characteristics

Operating Voltage	5VDC ± 10%
Operating Current	Operating : Typical 395 mA @5VDC Standby : Typical 220 mA @5VDC

## Physical Characteristics

Dimensions	93.5 mm (L) x 71 mm (W) x 160 mm (D) 3.68 in. (L) x 2.79 in. (W) x 6.29 in. (D)
Weight	150g (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, Code 49, Chinese Sensible (Han Xin) Code and OCR are available upon request.
3. Don't stare into the LED beam.

## 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
2D Codes *2	PDF417, Micro PDF417, Composite Codes, DataMatrix, MaxiCode, QR Code, MicroQR, Aztec, Codablock F, Code 16K, Code 49, Chinese Sensible (Han Xin) Code
Postal Barcodes	Australian Post, US Planet, US POSTNET, Japan Post, Posi LAPA 4 State Code, German Post, British Post, Intelligent Mail, Korean Post, Dutch KIX Post, China Post
OCR *2	OCR-A/B, MICR-E13B, US Currency Serial Number

## User Environment

Drop Specifications	Withstands multiple drops from 2m (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 ~ 106,000 lux
ESD Protection	Functional after 15KV discharge

## Safety & Regulatory

EMC	CE, UKCA, FCC, BSMI, RCM, KC, VCCI
Safety *3	LED Eye Safety IEC 62471/EN 62471, Exempt Group
Environmental	Compliant with RoHS 2.0 and REACH

## Accessories

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