

# FUZZYSCAN A660

## 2D Handheld Imager



### An affordable barcode scanner for retail and commercial applications

The A660 handheld scanner is built to deliver maximum value. Its versatility and affordable pricing make it a tool of choice for retail applications, as well as general use. Supported by Cino's advanced imaging platform, it rapidly scans barcodes from product labels, membership cards, and electronic coupons, whether 1D or 2D. The A660 is a highly cost-effective option that will fit any budget!

- Reads most challenging and problematic barcodes
- Reads electronic barcodes from smartphone screens
- Superior first-time read
- Omni-directional scanning
- Clear audio and visual feedback
- Optional vibrator for tactile confirmations
- Withstands drops from 1.8m onto concrete
- Supports multilingual data output
- Single scan configuration with the iCode
- Advanced data processing with DataWizard
- Cost-free security with Security Plus

### No Compromise on Performance

The A660 not only brings exceptional reading performance, but can also output data in numerous languages to cover a vast range of scanning requirements. It boosts up your return on investment.

### Capture Most Real-World Barcodes

Supported by the latest imaging technology, this scanner captures a wide range of 1D and 2D barcodes, as well as a myriad of problematic items that are often encountered by businesses, for example: distorted, soiled, or damaged labels, barcodes on curve or reflective surface, electronic coupons on smartphone screens with poor lighting.

### Output Data in Diverse Languages

Cino 2D scanners support the output of multiple languages, including single-byte languages like Arabic, German, Greek, Russian, Turkish, and more. Double-byte Asian languages such as Chinese, Japanese, and Korean are also covered. Remove your language barriers and expand your business horizons with multilingual output capabilities.

### Enhanced User Experience

Designed with users in mind, the A660 is equipped with practical and user-friendly features to enhance your scanning experience.

### Simple and Intuitive Scanning

This model allows for omni-directional reading, which makes it easy and fun to use. No need to pre-align your scanner with the barcode. Simply point, scan and you're good to go! Thanks to this feature, scanning becomes highly intuitive and effortless.



## FUZZYSCAN DNA

### Sharp Aimer for Rapid Targeting

The scanner's "round spot" LED beam helps users aim faster and with greater accuracy. A separate background light is also projected to further expedite data capture; this bright red illumination is particularly useful when ambient light is low.

### Clear Status Indications

Equipped with a loud beeper and multi-color LED lights, this scanner provides the status information you need through conspicuous feedback. An optional vibrator is available to deliver tactile indications if silent signals are preferred, or when loud background noises make it difficult to hear the scanner's beeping.

### Stylish, Ergonomic and Robust

Combining style, ergonomics and robustness, this model provides an outstanding user experience on all levels. Elegant in appearance, it will easily blend into any commercial décor. The scanner's sleek handle is ergonomically designed to afford a natural, comfortable grip all shift long. Furthermore, its robust enclosure can withstand 1.8-meter falls onto concrete, granting a high degree of protection against unintentional drops.

## 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	640 x 480 Pixels
Print Contrast	20% minimum reflectance difference
Light Source	660nm LED
Imager Field of View	36° H x 27° V
Minimum Resolution	3 mil Code 39, 5 mil DataMatrix
Reading Range <sup>*1</sup>	13 mil UPC/EAN up to 15.6"
Roll, Pitch, Skew	Roll: 360°; Pitch: ± 75°; Skew: ± 65°
Motion Tolerance	Up to 627 cm/s (247 in/s)
Configuration Setup	FuzzyScan Barcode commands FuzzyScan iCode FuzzyScan PowerTool FuzzyScan Serial Command
Data Processing	DataWizard
Host Interfaces	USB HID (USB Keyboard) USB VCOM (USB COM port emulation) Standard RS232

## Physical Characteristics

Dimensions	97.0 mm (L) x 65.0 mm (W) x 156.0 mm (D) 3.81 in. (L) x 2.55 in. (W) x 6.14 in. (D)
Weight	135g (cable excluded)
Color	Classic Black, Ivory White
User Feedback	LEDs for power, good read, and status Programmable beeper Optional vibrator
Operating Voltage	5VDC ± 10%
Operating Current	Operating: Typical 310 mA @5VDC Standby: Typical 210 mA @5VDC

1. The Reading Range are measured under Cino's test environmental condition.
2. Codablock F, Code 49, Han Xin Code, and DotCode are available upon request.
3. MICR-E13B and US Currency are available upon request.
4. Don't stare into the LED beam.

## 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
2D Codes <sup>*2</sup>	PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR
Postal Barcodes	Australian Post, US Planet, US Postnet, Japan Post Posi LAPA State Code
OCR <sup>*3</sup>	OCR-A/B, MICR-E13B, US Currency Serial Number

## User Environment

Drop Specifications	Withstands multiple drops from 1.8m (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	5% 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 <sup>*4</sup>	LED Eye Safety IEC 62471/EN 62471, Exempt Group
Environmental	Compliant with RoHS 2.0 and REACH

## Accessories

Cables	RS232 Serial Cable USB-A Cable USB-C Cable USB Power Cable
Others	5VDC Power Supply Unit US100 Smart Stand US50 Hands-Free Stand Universal Holder