

FUZZYSCAN A670

2D Handheld Imager



The deluxe yet compact 2D handheld imager

Powered by Cino's exclusive FuzzyScan imaging technology, the A670 is capable of reading most real-world challenging and problematic barcodes. Boasting a compact yet durable construction, versatile functionality, and FuzzyScan DNA, the A670 provides an exceptional cost-performance value for retail, commercial, and hospitality applications.

- Reads most challenging and problematic barcodes
- Superior first pass read rate
- Withstands 1.8m 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 Premium
- Inherits the powerful FuzzyScan DNA

Scan All Your Needs

Powered by exclusive FuzzyScan Imaging technology, the A670 imager is capable of reading a vast array of challenging and problematic barcodes. The A670 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 Imagers deliver unrivaled scanning speed and accuracy across all types of real-world barcodes.

No Compromise on Performance

The A670 is designed with superior performance in mind. It not only provides point-and-shoot scanning simplicity, but also delivers outstanding snappiness. This imager does not compromise performance for price and is suitable for most commercial applications.

Enhanced User Experiences

Designed with sharp aiming and multifaceted notification feedback via visual, audio, as well as tactile indications, the A670 delivers superior usability and a great user experience.



FUZZYSCAN DNA

Clear Audio and Visual Feedback

The A670 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.

Stylish and Ergonomic

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

Value beyond Measure

FuzzyScan DNA is a collection of unique features that come with all Cino Imagers at no additional costs. Aside from the exclusive FuzzyScan Imaging technology, Cino Imagers also provide the following features to deliver exceptional value beyond barcode scanning:

- **DataWizard Premium**, a unique feature to perform advanced data formatting and complex data processing to fit specific needs without modifying host programs such as drivers license parsing.
- **iCode**, a macro command barcode that allows one-step configuration with a single scan.
- **Multilingual Edge**, a useful feature that enables data output in your desired language. Aside from Western European and Latin languages, it also supports many Asian languages such as Simplified Chinese, Traditional Chinese, Korean, Japanese, Thai, Hindi, and so on.
- **Smart Scene**, a choice of several preset configurations for various application scenarios to achieve optimal scanning performance.
- **Security Plus**, a user-defined security mechanism that prevents the access of unauthorized barcode Imagers.
- **FuzzyScan Enabling Solution**, a suite of software utilities, including PowerTool, ConnectWizard, and SDK, for the easy configuration, management, and deployment of Imagers.

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 Barcode commands FuzzyScan iCode FuzzyScan PowerTool
Data Processing	DataWizard Premium
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	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	130g (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, and Chinese Sensible (Han Xin) Code 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
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

User Environment

Drop Specifications	Withstands multiple drops from 1.8m (6.0ft) 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	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)

