cino®

FUZZYSCAN A780 HC
Antimicrobial 2D Handheld Imager

An ultimate scanning solution for hygiene-sensitive applications

As global healthcare initiatives continue to push organizations towards automatic data capture, the FuzzyScan A780 HC antimicrobial scanner offers additional value with disinfectant-ready enclosure featuring silver ion-based antimicrobial additives. Coupled with the surpassing reading performance, the A780 HC provides an ideal solution for medical, healthcare, and bacteria-sensitive applications to improve patient safety and streamline workflow.

- Disinfectant-ready enclosure
- Comply with JIS Z2801 : 2000 antimicrobial standard
- Read most challenging and problematic barcodes
- Superior first-time read
- Omnidirectional snappy scanning
- Read barcodes shown on Smartphone display
- Various models fulfill diverse scanning needs
- Definite audio and visual user feedbacks
- Useful vibrator for tactile confirmation of good read
- Durable construction withstands 2.0-meter drops
- Support 2D configuration barcode for easy field setup
- DataWizard Premium for complicated data formatting

Protect Health and Ensure Safety

Disinfectant-ready Enclosure
The A780 HC scanner is armored with disinfectant-ready enclosure, allowing the plastic outfit to be cleaned or wiped-down with commonly-used cleaning solutions in healthcare environments without harming the inside enclosure or the sensitive scanning components.

Incorporated Antimicrobial Additives
The enclosure of A780 HC scanner is incorporated with silver inorganic antimicrobial agent that will not be worn off during its lifetime, providing an extra layer of protection against the multiplication and spread of potentially harmful microorganisms such as bacteria and microbes on the scanner plastic enclosure surface.

Solution for Hygiene-sensitive Environments
The A780 HC scanner serves a wide range of specific applications where hygienic environment is paramount and high-level safety is vital, such as healthcare, pharmaceutical, cosmetic, food industries, medical laboratories, and other sterile environments.

Scan All Your Needs

Capture Every Barcode First-time
Combined with powerful architecture, advanced optics design, and Cino's exclusive imaging technology, the A780 HC is purpose built to fulfill all healthcare barcode scanning needs. It is capable of capturing most challenging and problematic barcodes instantly, including dense, poor quality, distorted, dirty, damaged, or overwrapped barcodes, as well as electronic barcode on a dimly lit display.

Hospital

Medical Laboratory

Food Industry

Exclusive Imaging Technology

The latest Cino FuzzyScan imaging technology adopts **Machine Learning** along with the endeavoring breakthroughs of core innovation, refreshing barcode scanning performance and snappiness. Powered by FuzzyScan imaging technology, the A780 HC delivers unrivaled reading performance among competitions.

Fulfill Diverse Requirements

The **Standard-range** model fulfills most reading needs of high-density and general barcodes with preferable range, well suiting a wide range of applications that normally would take different types of scanners to do so. To read very high-density and tiny 2D barcodes on medical equipment, the **High-density** model is ready for your choice.

Easy to Use

Scan and Go Simplicity

With the omnidirectional scanning capability, there is no need to align with the barcode. Users of all skill levels can start right away with little to no training. This true point-and-shoot simplicity delivers maximum user comfort while increasing the scanning speed.

Clear Aiming Provides Most Intuitive Scanning

The sharp "Round Spot" LED aimer helps to point at barcodes more accurately and quickly. And the super bright red illumination not only enables the snappy barcode capture even in low ambient lighting conditions, but also prevents eye fatigue and improves the environmental comfort.

Audio and Visual Feedback Improves User Experience

The A780 HC is equipped with a programmable beeper which provides loud and definite beeps, giving user the positive audio feedback. The multi-color indicators flash to indicate diverse status of the scanner, providing user a clear visual feedback.

Silent Signaling for Quiet and Noisy Environments

An useful Vibrator provides tactile confirmation of successful read. It's ideal for quiet environment like hospital. Especially for healthcare application, the vibration will notify the caregiver that a barcode is captured properly without disturbing patients.

Increase productivity with SmartStand

For some applications, the worker needs to spare both his hands for work. He can place the A780 HC onto Cino SmartStand for hand-free scanning. By working with Cino SmartStand, A780 HC is able to switch between hand-free scanning and handheld scanning automatically, maximizing worker's efficiency and productivity.

DataWizard Premium

Maximum Value

Easy Configuration and Management Delivers Great Usability

The FuzzyScan PowerTool is an intuitive software tool that can be easily run by first-time user for configuring and managing your scanner. More than that, you can use PowerTool to generate the desired configuration barcode for quickly setting your scanners with a single scan on the field. This maximizes user's productivity, especially for those applications requiring mixed operations.

Unique DataWizard Premium Brings More Value

Our unique DataWizard Premium is able to handle very complicated data formatting job via the script programming. By working together with your host application, the DataWizard Premium also offers a cost-free security mechanism to protect your hospital assets.

Built for Maximum Reliability

With durable over-mold construction and no moving parts design, the A780 HC survives multiple 2.0-meter drops to concrete. The built-in robustness enables A780 HC to handle the bumps and spills associated with all day. This ensures your long-term investment and minimum downtimes.

SPECIFICATIONS

Performance Characteristics

Image Sensor	1280 x 800 Pixels
Print Contrast	18% minimum reflectance difference
Light Source	660nm LED
Minimum Resolution	**HD Model** 2.4 mil Code 39, 4.5 mil DM **SR Model** 2.7 mil Code 39, 4.8 mil DM
Reading Range	**HD Model** 13 mil (0.33mm) UPC/EAN up to 10" **SR Model** 13 mil (0.33mm) UPC/EAN up to 16"
Roll, Pitch, Skew	Roll: 360˚; Pitch: ± 75˚; Skew: ± 65˚
Configuration Setup	Barcode command Configuration barcode FuzzyScan PowerTool
Data Editing	DataWizard Premium
User Interfaces	USB HID (USB Keyboard) USB VCOM (USB COM port emulation) Standard RS232
Image Capture	BMP

User Environment

Drop Specifications	Withstand multiple drops at 2.0m (6.6ft) to concrete
Environmental Sealing	IP42
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
Recommend cleaning solutions	Gentle dish soap water or alcohol solvent

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	PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR
Postal Codes	Australian Post, US Planet, US Postnet, Japan Post

Safety & Regulatory

EMC	CE, FCC, BSMI, RCM, KC, VCCI
Safety	LED Eye Safety IEC62471, Exempt Group
Environmental	Compliant with RoHS directive
Antimicrobial	JIS Z2801 : 2000

Physical Characteristics

Dimension	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	Healthcare White
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Vibrator
Operating Voltage	5VDC ± 10%
Operating Current	Operating : Typical 395 mA @5VDC Standby : Typical 220 mA @5VDC
Antimicrobial Additives	Silver inorganic antimicrobial agent

Accessories

Cables	RS232 Serial Cable USB Cable USB Power Steal Cable
Others	5VDC Power Supply Unit US100 Smartstand US50 Hand-free Stand

cino