

# A770 Series

An outstanding Area Imaging scanner for  
barcode capture applications



Read most popular 1D, 2D bar codes and postal codes

Snappy reading and superior first-time read

The ability to read bar codes on paper and LCD display

Omni-directional scanning

Superior readability on most of real world barcodes

High-density and standard range models are available for various data capture needs

High density model can read 2.7-mil high-density barcodes

Standard range model is ideal for general purpose applications

Digital image capture capability

Support multi-barcode capture with a single triggering

Automatically switch between presentation scanning and hand-held scanning while working with Cino SmartStand

Durable over-mold design with 2.0-meter drop resistance

Antimicrobial model is available for healthcare applications

Optional vibrator is ideal for noisy and quiet environments

Thanks to the innovative FuzzyScan 3.0 Imaging Technology, the FuzzyScan A770 can read most widely-used linear and 2D bar codes on paper and LCD display. Durable over-mold design, outstanding reading performance and versatile features sets offer business exceptional value with increased employee productivity and streamlined business processes. The A770 provides an ideal solution for retail, logistics, healthcare and industrial applications.

### **Outstanding readability**

The A770 supports most popularly-used linear, 2D bar codes and postal codes. It also supports digital image capture function, enabling you to scan barcodes and capture images with a single device. Especially the mobile commerce application is emerging and becoming increasingly popular. The A770 can read paper-based and electronic bar codes. The A770 not only can fulfill versatile data capture requirements, but also lower the total cost of ownership.

### **Superior reading performance**

High density and standard range models are designed to meet the needs of various barcode scanning applications. The high density model is ideal for applications wherein high density bar codes are commonly used. The standard range model is suitable for general purpose applications. It can also perform exceptional reading performance on barcode printed on reflective material, and on curved surface. A770 presents superior adaption of most real world barcodes, such as poorly printed, distorted and damaged barcodes.

### **Omni-directional scanning capability**

The A770 presents superior omni-directional scanning of both 1D and 2D bar codes. Users can read barcode in any orientation without having to align the bar code or pause between scans. This scanning capability improves the first-time read while resulting in faster and more accurately scanning applications.

# Specifications

## Performance Characteristics

Image Sensor	WVGA 752x480 Pixels	
Print Contrast	20% minimum reflectance difference	
Light Source	Aiming Pattern : 630nm LED Illumination : 630nm LED	
Min. Resolution	<b>SR Model</b> 3.3 mil Code 39 7 mil DM <b>HD Model</b> 2.7 mil Code 39 5 mil DM	
Roll, Pitch, Skew	Roll: 360°; Pitch: ± 75°; Skew: ± 65°	
Motion Tolerance	Up to 25 inch/63.5 cm per second	
Reading Range	<b>SR Model</b> 5 mil (0.13mm) C39      3.8-19.5cm (1.5"-7.7") 13 mil (0.33mm) EAN    2.4-40.5cm (0.9"-15.9") 10 mil (0.25mm) DM      3.0-20.0cm (1.2"-7.9") <b>HD Model</b> 3 mil (0.076mm) C39    2.2-9.6cm (0.9"-3.8") 5 mil (0.13mm) C39      2.8-11.5cm (1.1"-4.5") 13 mil (0.33mm) EAN    1.8-20.3cm (0.9"-12.9") 5 mil (0.13mm) DM      2.8-7.5cm (1.1"-3.0") 10 mil (0.25mm) DM    1.2-12.0cm (0.5"-4.7")	
Operating Modes	Trigger, Toggle, Force, Level, Diagnostic, Alternative, Low power, Presentation, Multiple read	
Host Interfaces	PC/AT, PS/2 (DOS V) keyboard wedge PC/AT, PS/2 (DOS V) keyboard direct link TTL RS232 serial USB HID (USB Keyboard) USB COM port emulation	
Image Capture	Graphic Format : BMP	

## User Environment

Drop Specifications	Withstand 50 drops at 1.8m / 6.0ft to concrete Withstand 10 drops at 2.0m / 6.6ft to concrete
Environmental Sealing	IP41
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% related humidity, non-condensing
Ambient Light Immunity	0-100,000 lux
ESD Protection	Functional after 15KV discharge

## Supported Symbologies

1D Linear Codes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey, GS1 DataBar, Linear & Linear Stacked
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 Dutch KIX code, Intelligent Mail, British Post

## Physical Characteristics

Dimension	95.0 mm (L) x 70.5 mm (W) x 161.7 mm (D) 3.74 in. (L) x 2.77 in. (W) x 6.36 in. (D)
Weight	152g (cable excluded)
Color	Black, Light Gray
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator
Input Voltage	5VDC ± 10%
Current	Operating : Typical 350 mA @5VDC Standby : Typical 180 mA @5VDC

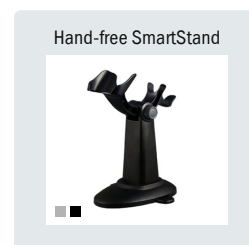
## Safety & Regulatory

EMC	CE, FCC, BSMI, C-Tick, KC, VCCI
Safety <sup>2</sup>	LED Eye Safety IEC62471 Exempt group
Environmental	Compliant with RoHS directive

## Accessories

Cables	PS/2 (DOS V) Keyboard Wedge Cable RS232 Serial Cable USB Cable USB Power Steal Cable
Others	Hand-free SmartStand

## Accessories



Colors Available : ■ black ■ light gray

1. The working distances are measured in 400lux office environment using Grade A bar codes.  
2. Don't stare into the LED.



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