

A770 Series

An outstanding area-imaging scanner for barcode capture applications



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

Omni-directional scanning

The ability to read bar codes on paper and LCD display

Unsurpassed readability on low contrast, smudged, poorly-printed or damaged barcodes

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

High density model can read 3-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

Ruggedized over-mold design with 1.8-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. Ruggedized 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 industry 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 general purpose model is suitable for general purpose applications. It can also perform superior performance on reading poorly-printed, smudged and damaged barcodes.

Omni-directional scanning capability

The A770 supports 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 point-and-shoot capability improves the first-time read rates while resulting in a faster throughput and less operator fatigue.

Specifications

Performance Characteristics	
Scan Pattern	Area Image
Print Contrast	20% minimum reflectance difference
Light Source	Aiming Pattern : 630nm LED Illumination : 630nm LED
Min. Resolution	SR Model 4 mil Code 39 7 mil DM HD Model 3 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	SR Model 5 mil (0.13mm) C39 4~15 cm (1.5"~5.9") 13 mil (0.33mm) UPC/EAN 3~38 cm (1.1"~15.0") 10 mil (0.25mm) DM 3~15.5 cm (1.1"~6.1") HD Model 3 mil (0.07mm) C39 3~8 cm (1.1"~3.1") 5 mil (0.13mm) C39 3~11 cm (1.1"~4.3") 13 mil (0.33mm) UPC/EAN 2.5~16.5 cm (0.9"~6.4") 5 mil (0.13mm) DM 3.5~9 cm (1.3"~3.5") 10 mil (0.25mm) QR 3.5~8 cm (1.3"~3.1")
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, JPEG, TIFF, PNG

User Environment	
Drop Specifications	Withstand multiple 1.8m/6ft. drops 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

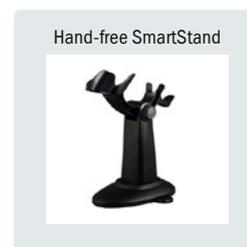
Supported Symbolologies	
1D Linear Codes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey, GS1 DataBar, Linear & Linear Stacked
2D Codes	PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR, Han Xin Code
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
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator
Input Voltage	5VDC ± 10%
Current	Operating : Typical 285 mA @5VDC Standby : Typical 160 mA @5VDC

Safety & Regulatory	
EMC	CE, FCC, BSMI, C-Tick, KC, VCCI
Safety ²	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

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