A670 Series

A superior cost-performance 2D Area-imaging Scanner

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 bar codes

Read 2.7 mil high-density bar codes

Support multi-barcode capture with a single triggering

Versatile operation modes support both handheld and presentation scanning

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

Compact and ergonomic design provides maximum user comfort

Durable design withstands multiple drops to concrete from 1.8 meter

DataWizard Premium for advanced data formatting and cost-free security

Optional vibrator is ideal for noisy and quiet environments

Powered by the cutting-edge FuzzyScan Imaging Technology 3.0, the A670 can read most widely-used linear and 2D bar codes on paper, plastic card and LCD display. The convergence of remarkable reading performance, compact and durable construction yet versatile features empower A670 to fulfill the most demanding high-volume scanning applications, such as retail, commercial, pharmaceutical and hospital. The FuzzyScan A670 provides an exceptional cost-performance solution to step into the world of area-imaging for gaining the superior return on investment and lowering the total cost of ownership.

Superior readability

The adoption of 2D bar codes has been growing rapidly because of the advantages of 2D bar codes and many emerging applications. The A670 is capable of fulfilling the increasing demands of 2D barcode scanning in various market segments by reading most popularly-used linear, 2D bar codes and postal codes.

Excellent reading performance

The A670 is designed to meet the needs of various barcode scanning applications. A670-HD can read 2.7 mil high-density linear bar code and 5 mil 2D bar code. The A670 performs superior adaption to most real world bar codes, such as poorly printed, distorted, smudged and damaged barcodes. More than this, it can read bar codes printed on paper, plastic card or displayed on the screen of mobile phone.

Omni-directional scanning capability

The A670 presents superb omni-directional scanning of both 1D and 2D bar codes. Users can read bar code in any orientation without having to align the bar code or pause between scans. This scanning capability improves the first-time read, resulting in faster and efficient bar code reading.

cino®

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	**MR Model** 3 mil Code 39 6.7 mil DM **HD Model** 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

MR Model
5 mil (0.13mm) C39	3.6-18.3cm (1.4"-7.2")
13 mil (0.33mm) EAN	2.3-32.7cm (0.9"-12.9")
10 mil (0.25mm) DM	2.5-14.2cm (1.0"-5.6")

HD Model
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 (0.7"– 8.0")
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 1.6m / 5.2ft to concrete Withstand 10 drops at 1.8m / 6.0ft 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

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

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

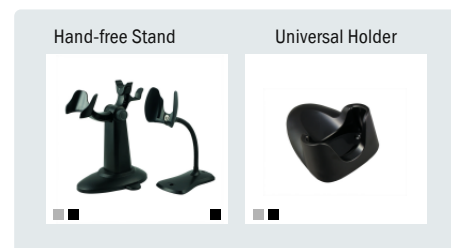|	
Dimension	97.0 mm (L) x 65 mm (W) x 156 mm (D) 3.81 in. (L) x 2.55 in. (W) x 6.14 in. (D)
Weight	125g (cable excluded)
Color	Black, Light Gray
User Interfaces	3 LEDs for power, good read and status indications Programmable beeper Optional vibrator
Input Voltage	5VDC ± 10%
Current	Operating : Typical 350 mA @5VDC Standby : Typical 180 mA @5VDC

Safety & Regulatory

EMC	CE, FCC, BSMI, C-Tick, KC, VCCI
Safety [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	US100 Hand-free SmartStand US50 Hand-Free Stand Universal Holder

Accessories

Hand-free Stand

Universal Holder

Colors Available : ■ black ▨ light gray

cino®