

HAND-HELD IMAGERScanImage **1470****Benefits:**

- **Decodes popular 2D symbologies and linear bar codes**
- **Omnidirectional orientation makes imaging bar codes easy**
- **Laser aiming and framing maximizes hand-held scanning performance**
- **Easily scans down to 6.6 mil matrix codes to meet small space requirements**
- **Connects to Intermec stationary and hand-held portable terminals**
- **Rugged industrial housing to meet the most demanding environments**



The ScanImage 1470 is a hand-held imager ideally suited for applications requiring two-dimensional symbologies and/or linear codes where symbol orientation would be cumbersome with a linear CCD or laser scanner. In addition to popular linear bar codes, the ScanImage 1470 decodes both stacked and matrix 2D symbols including PDF417, Data Matrix, Maxicode, and QR code, as well as selected height modulated (postal) codes.

The ScanImage 1470 is easy to use, thanks to its laser aiming and framing pattern, users can easily gauge the right depth of field for a given symbol feature size and density. With a single position trigger, the LED illuminates the bar code and the laser activates until a symbol is successfully scanned or the operator releases the trigger.

For applications requiring mixed symbologies on a single label, the 1470 can be configured to read multiple symbols within its field of view - vs. the time required to scan one symbol after another using laser or linear CCD scanners.

Imager configuration and set up is made easy via Quickview software - included with each device. With Quickview, users can upload software updates as well as generate configuration bar codes to clone multiple units. "Image capture" is also available via Quickview should the application require a photo depicting a physical description of an object, person, or signature.

ScanImage 1470

General Description

The ScanImage 1470 is a hand-held imager which offers omnidirectional decoding of dimensional symbologies and linear barcodes.

Physical Characteristics

Length: 14.2 cm (5.6")

Width: 6.3 cm (2.5")

Weight: 2 kg without cord (7.2 oz)

Connector: 10 pin modular to 9 pin female (RS-232) with power pigtail

Current Draw: <300mA average @ 5V while scanning; standby current <200µA @ 5V

Performance

Illumination: 24 660 nm LEDs with reflector; 670nm laser light (Laser aiming Subsystem)

Receive: Progressive Charge Coupled Device (CCD) array

Working Range:

Standard Optics (1470A00)

7.5 Mil Linear—

7.6 cm (3") to 12.7 cm (32.3")

10 Mil Linear—

5.1 cm (2") to 17.1 cm (7")

15 Mil Linear—

5.1 cm (2") to 22.9 cm (9")

15 Mil Matrix—

7.6 cm (3") to 12.7 cm (5")

35 Mil Matrix—

5.1 cm (2") to 22.9 cm (9")

Working Range

High Density Optics (1470A05)

4 Mil Linear—

4.4 cm (1.75") to 7.0 cm (2.75")

10 Mil Linear—

2.5 cm (1") to 7.6 cm (3")

6.6 Mil Matrix—

4.3 cm (1.7") to 6.2 cm (2.45")

Field of View

Standard Optics (1470A00)

5.1 cm (2") range—

3.8 cm (1.5") x 3 cm (1.2")

12 cm (4.75") range—

7.9 cm (3.1") x 5.8 cm (2.3")

19 cm (7.5") range—

11.9 cm (4.7") x 8.9 cm (3.5")

24.1 cm (9.5") range—

15 cm (5.9") x 11.9 cm (4.7")

High Density Optics (1470A05)

2.5 cm (1") range—

1.5 cm (.6") x 2 cm (.8")

5.1 cm (2") range—

2.5 cm (1") x 3.4 cm (1.3")

7.6 cm (3") range—

3.5 cm (1.4") x 4.8 cm (1.9")

Focal Point

Standard Density Unit: 12.7 cm (5") from the nose

High Density Unit: 5 cm (2") from the nose

Resolution

Standard Density Unit: from 7.5 Mil linear and stacked codes and from 15 Mil matrix codes

High Density Unit: from 4 Mil linear and stacked codes and from 6.6 Mil matrix codes

Environment

Alphanumeric Operating Temperature: 0° to 50° C (32° to 122° F)

Storage Temperature: -40° to 70° C (-40° to 158° F)

Humidity: Non-condensing (0 to 95% RH)

Mechanical Shock: functional after multiple 6' drops

ESD Protection: functional after 15KV discharge

EMC: FCC class B, CE

Ambient Illumination: total darkness to 100,000 lux

Interface: RS-232 TTL

Symbologies

Linear: Code 39, Interleaved 2 of 5, Code 128, ISBT-128, Code 93, Codabar, UPC/EAN

Stacked: PDF417, MICRO PDF 417

Matrix: Data Matrix, MaxiCode, QR Code, Aztec Code

Product Configurations

Model 1470A00: Standard Optics, RS-232 TTL interface

Model 14700A05: High Density Optics, RS-232 TTL interface

Part No. 4220582101: RS-232 Interface cable with power pigtail

Part No. 590123: Serial cable, 9 pin

Part No. 065236: Universal Power Supply, 12V, US Cord

Part No. 4220583901: Beltmount Battery pack

Part No. Battpack1: RS-232 TTL interface cable with battery pack power pigtail (for portable terminal)

Part No. 067056: Wall/countertop holder, black

Part No 067054: 1470 Users Manual

Regulatory Approvals

FCC Part 15, ICES-003, C-Tick marked, UL listed for US and Canada, UL 1950/C22.2 #950, TUV GS marked-EN 60950 (IEC 950) and EN 60825-1



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