

# HawkEye 30

## Leading Edge, High-Density Hand-Held Readers for Item Marking Applications

### Product Summary

The HawkEye 30 hand-held reader automatically recognizes and reads one-dimensional (1-D) bar codes and two-dimensional (2-D) Data Matrix code symbologies. It specializes in reading higher density, lower contrast marks.

Incorporating the latest digital image capture, recognition and processing technology, the HawkEye 30 captures entire images to document and verify damaged goods, providing the ultimate in traceability.

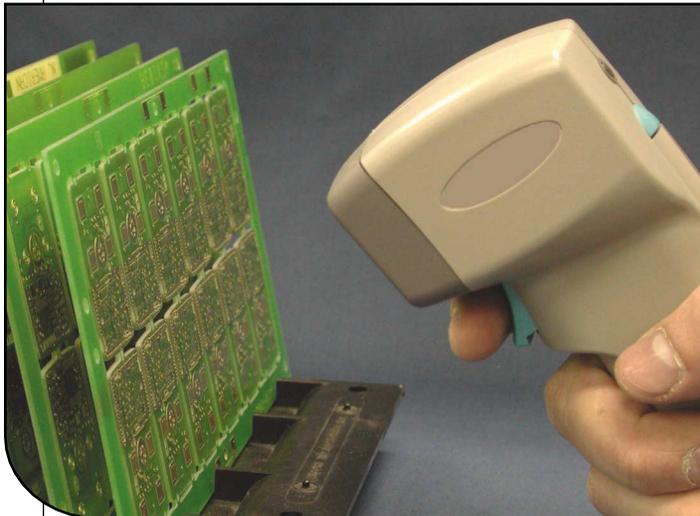
The HawkEye 30 uses an RS-232 serial port for the communication interface with personal computers as well as with many portable data collection devices. This connectivity allows the tracking of critical information from receiving and manufacturing through finished goods inventory, warehousing and distribution.

### Features/Benefits

- Easy set-up and operation – point-and-shoot
- Ergonomic operational features
- Supports application-specific 2-D symbologies and all popular 1-D bar codes
- Reads truncated and damaged codes
- Superior omni-directional imaging and decode capabilities
- Provides product traceability throughout the entire manufacturing and distribution process
- Verifies damaged goods
- Performs image capture

### Applications

- Specializes in parts tracking applications:
  - Personal identification
  - Point-of-sale transaction
  - Work-in-process
  - Manufacturing
  - Finished goods inventory
  - Warehousing and distribution
  - Quality control
- Industries requiring a high-density, hand-held reader for 1-D bar code or 2-D code labels



## Physical Characteristics

Dimensions:	6.2" H x 2.2" W x 2.5" D (15.7 cm H x 5.6 cm W x 6.3 cm D)
Power Requirements:	4.5 V to 14 V (< 250 mA at 12 V peak)

## Performance Characteristics

Interfaces:	RS-232C, baud rates from 1200 bps to 115.2 Kbps
Field of View:	2.0" to 7.9" (5.08 cm to 20.1 cm)
Depth of Field:	1-D: 1.77" to 4.53" (45 mm to 115 mm) from the camera face 2-D: 1.77" to 4.334" (45 mm to 110 mm) from the camera face
Minimum Element Size:	1-D: .005" (.13 mm) 2-D: .005" (.13 mm)
Minimum Contrast Resolution:	1-D: 20% 2-D: 20%
Optical Parameters:	Pitch & Skew: +/- 35° Rotation: 360° Ambient Light: Total darkness to full sunlight
Programming:	Flash memory for software upgrades Optional PC-based Graphical User Interface (GUI)
Decode Capability:	1-D: Code 39, I2of5, UPC/EAN, Code 128 2-D: Data Matrix

## User Environment

Operating Temperature:	32° F to 104° F (0° C to 40° C)
Storage Temperature:	-22° F to 158° F (-30° C to +70° C)
Shock:	Withstands multiple drops to concrete from 5 ft. (1.5 m) Vibration Resistance 5 to 60 Hz at maximum 4 G
Humidity:	Up to 80% RH, non-condensing

## Regulatory

Electrical Safety:	CE Compliant
Laser Safety:	CDRH Class II, IEC Class 2
EMI/RFI:	FCC Part 15 Class B

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