SIMATIC HawkEye 1525

Smart Camera Reader for Direct Part Marks on Reflective Surfaces

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Brochure

Product Summary

The SIMATIC HawkEye 1525 fixed-station reader delivers cutting-edge Data Matrix reading performance in a compact package that fits in the palm of your hand. Unique features such as the patented QuickSet™ audiovisual alignment, auto-learn capability, and intelligent imaging simplify integration and deployment while providing easy setup, line changeover and maintenance without the use of an external PC.

Siemens' industry-leading decoding algorithms allow the HawkEye 1525 to robustly read damaged, distorted or otherwise challenging codes directly marked on a variety of surfaces at rates of up to 30 parts per second. Built-in verification also enables users to monitor mark quality on a real-time basis to ensure readability. In addition to Data Matrix, the HawkEye 1525 reads and auto-discriminates a variety of other 1-D or 2-D codes.

The HawkEye 1525 utilizes integrated LED lighting and optics to acquire high-quality images of Data Matrix codes applied on a variety of part surfaces via laser, dot-peen, inkjet, or other marking technologies. Its intelligent imaging selects optimum parameters for each new part, eliminating the need for user intervention that is often required to deal with part-to-part variations.

Features and Benefits

- Ultra-fast, robust reading of direct part mark Data Matrix symbols and bar codes
- QuicSet feature allows for alignment and part changeover without a PC
- Specialized, integrated lighting system
- Compact, flexible mounting configurations
- In-line verification for immediate, definitive symbol quality control
- Ethernet networking for fast data capture and transfer

SIEMENS

SIMATIC HawkEye 1525

Smart Camera Reader

APPLICATIONS

- Medical device manufacturing
- Automotive powertrain component production
- Aerospace component fabrication

SPECIFICATIONS

- Dimensions:
  2.36" H x 2.84" W x 4.40" L
  (5.99 cm H x 7.21 cm W x 11.18 cm L)
- Weight:
  0.9 lbs (0.4 kg)
- Power:
  24 v at 350 mA typical
- Optical Resolution:
  640 x 480 Pixels
- Minimum Contrast:
  20% at 630nm
- Lighting:
  Integrated dark-field LED with strobe operation
- Decode Capbaility:
  2-D: Data Matrix, PDF417
  1-D: Code 39, Cadabar, Code 93, I2of5, UPC/EAN, UPC-E, UPC Supplementals, Postnet, Pharmacode, Code 128
- Verification:
  Per AIM specifications
- Communications:
  Ethernet, RS232, Baud rates from 1200 bps to 115.2 Kbps
- I/O:
  1 opto-isolated input trigger
  3 opto-isolated outputs
  4 TTL level I/O
  Optional TTL level strobe output
- Speed:
  Up to 30 parts per second
- Operating Temperature:
  32°F to 104°F (0°C to 40°C)
- Storage Temperature:
  -4°F to 149°F (-20°C to 65°C)
- Humidity:
  Up to 95%, non-condensing
- EMC:
  EN61326:198 Class A
- Elec/Mech Safety:
  EN61010-2002
- Laser Safety:
  EN60825-1:1993 Amendment 2 2001-01

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