**HS–21: At a Glance**

- Reads most 1D and 2D symbols
- Dual field optics for wide and high density fields
- USB 2.0 or RS-232 communication options
- Low power draw
- Optional stand and Motion Detect mode for hand presentation

**HS–21: Available Symbologies**

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<thead>
<tr>
<th>Linear</th>
<th>All Standard</th>
<th>Postal Codes</th>
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<tr>
<th>Stacked</th>
<th>MicroPDF</th>
<th>PDF417</th>
<th>GS1 Databar</th>
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<th>2D</th>
<th>QR</th>
<th>Micro QR</th>
<th>Aztec</th>
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**High Performance**
The HS-21 features computing power and advanced image processing to decode challenging 1D and 2D symbols.

**Large Scan Width**
With a 4 inch (102 mm) focal distance and generous scan width, the HS-21 is optimal for decoding symbols on laboratory sample tubes and reagent tubes.

**Easy to Clean**
The reader’s sensitive components are protected by an IP54-rated enclosure, easily cleaned by common hospital disinfectants.

**User-Friendly Design**
The housing is ergonomically designed for user comfort in repetitive and heavy duty applications. In addition to a beeper, visual and vibrating indicators provide silent confirmation of successful reads for noisy or sensitive environments.

**Simple Configuration**
The HS-21 can be easily set up and configured using Microscan’s ESP software.

**Application Examples**
- Life sciences
- Manufacturing
- Health care
COMMUNICATION PROTOCOLS
Standard Interface: RS-232, USB 2.0 (generic HID, HID keyboard, virtual COM port)

READ PARAMETERS
Pitch: ±60° (front to back)
Skew: ±60° (from plane parallel to symbol (side-to-side)
Rotational Tolerance: ±180°
Print Contrast Resolution: 25% (1D symbologies); 35% (2D symbologies) absolute dark/light reflectance differential, measured at 650 nm
Ambient Light Immunity: Sunlight: Up to 9,000 ft.-candles/96,890 lux
Target Beam: Dual, blue targeting bar

INDICATORS
Status Indicators: Beep, vibrate, LED flash

IMAGE OUTPUT OPTIONS
Format: BMP or JPEG

MEMORY CAPACITY
128MB Flash ROM, 32MB RAM

DATA EDITING
JavaScript (Additional License Required)

ELECTRICAL
Power Requirements: Reader @ 5VDC (mA):
Typical: Less than 450 mA; Idle: Less than 80 mA; Sleep: Less than 31 mA

SYMBOLS
2D Symbologies: Data Matrix, QR Code, Micro QR Code, Aztec Code
Postal Symbologies: USPS OneCode (4CB), POSTNET, PLANET, Japanese Post, Australian Post, Royal Mail, KIX Code

QMS CERTIFICATION
www.microscan.com/quality
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Read Range and other performance data is determined using high quality Grade A symbols per ISO/IEC 15415 and ISO/IEC 15416 in a 25° C environment. For application-specific Read Range results, testing should be performed with symbols used in the actual application. Microscan Applications Engineering is available to assess with evaluations. Results may vary depending on symbol quality. Warranty—for current warranty information on this product, please visit www.microscan.com/warranty.